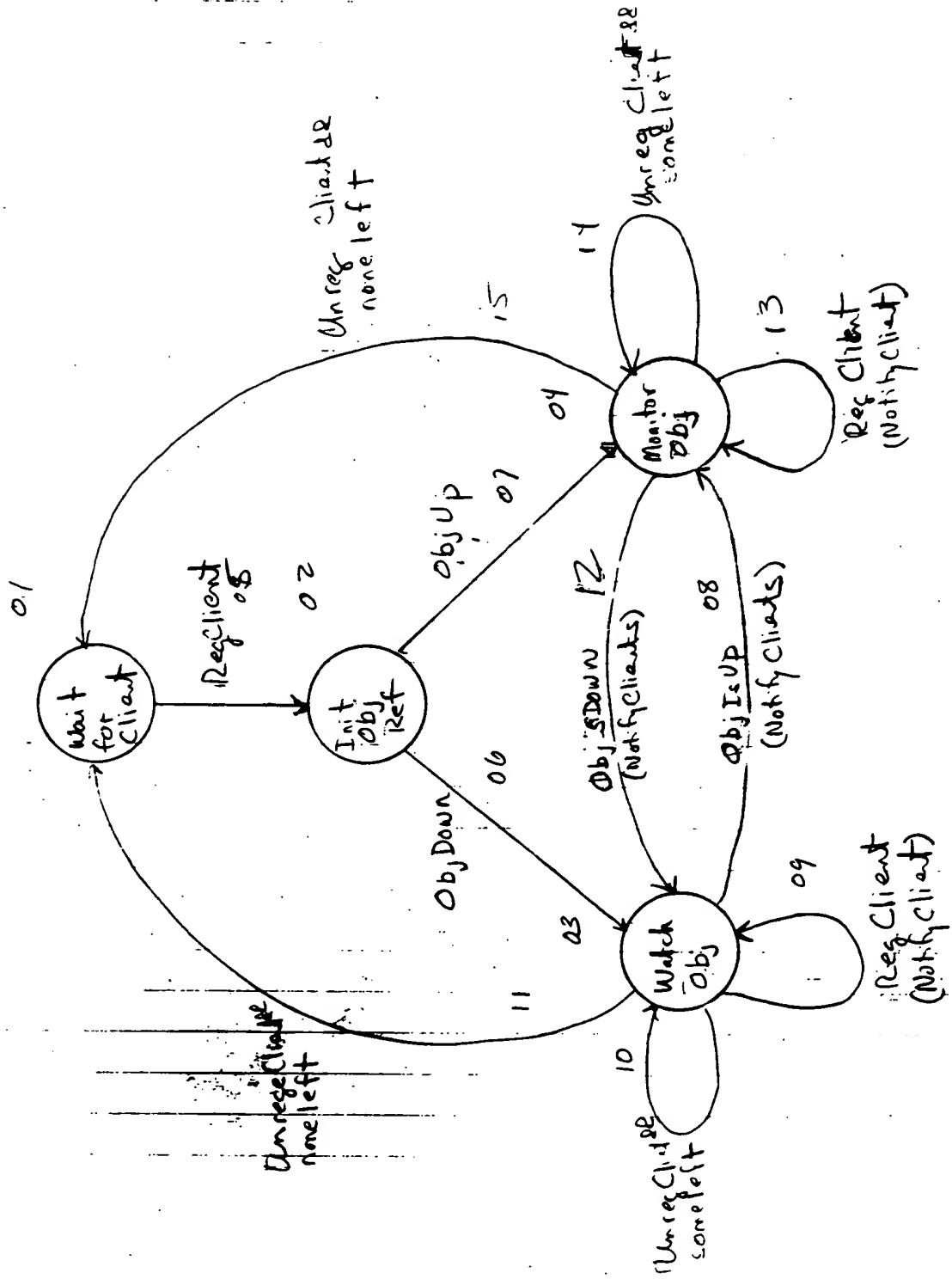


F. 8 1



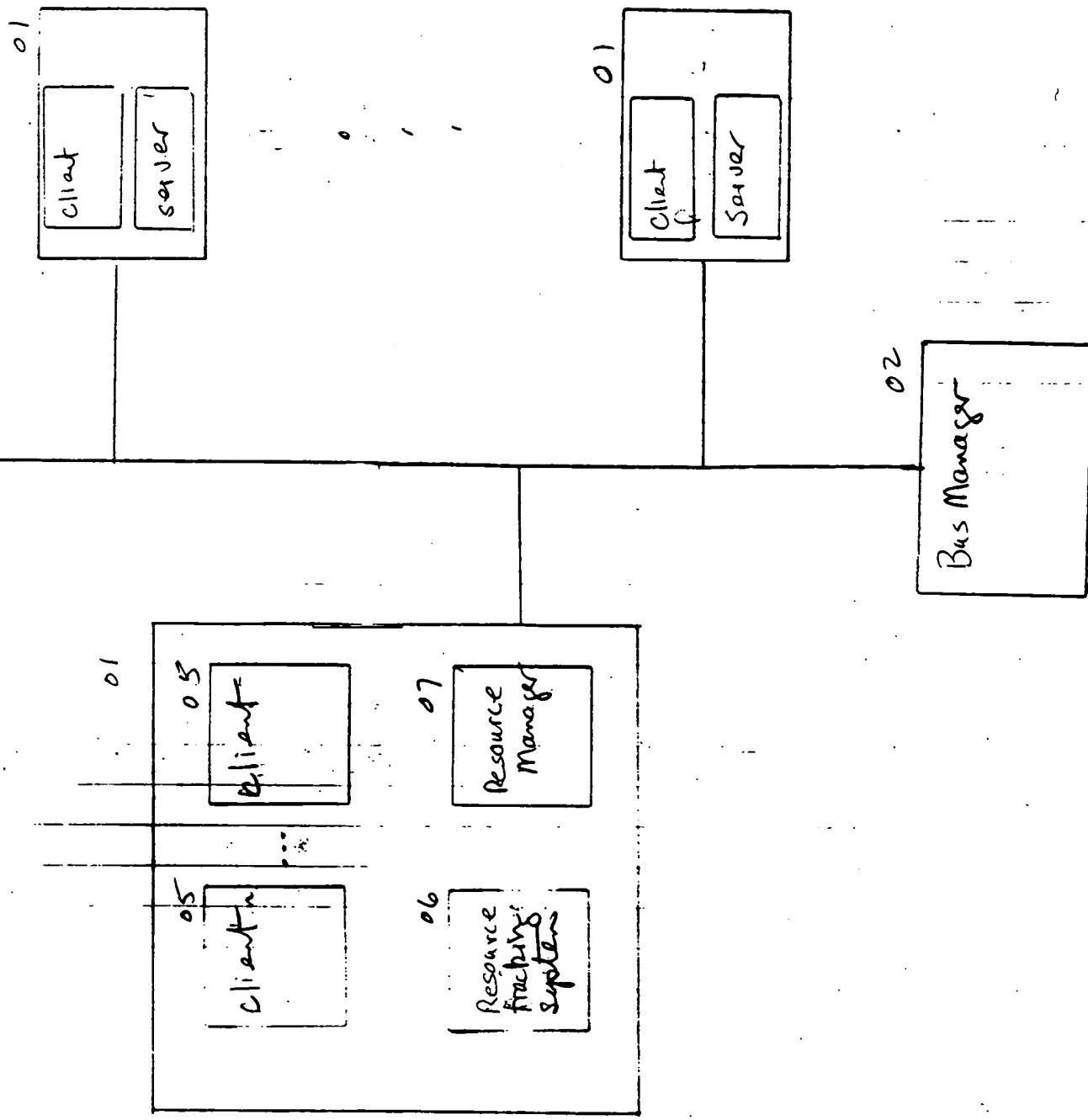
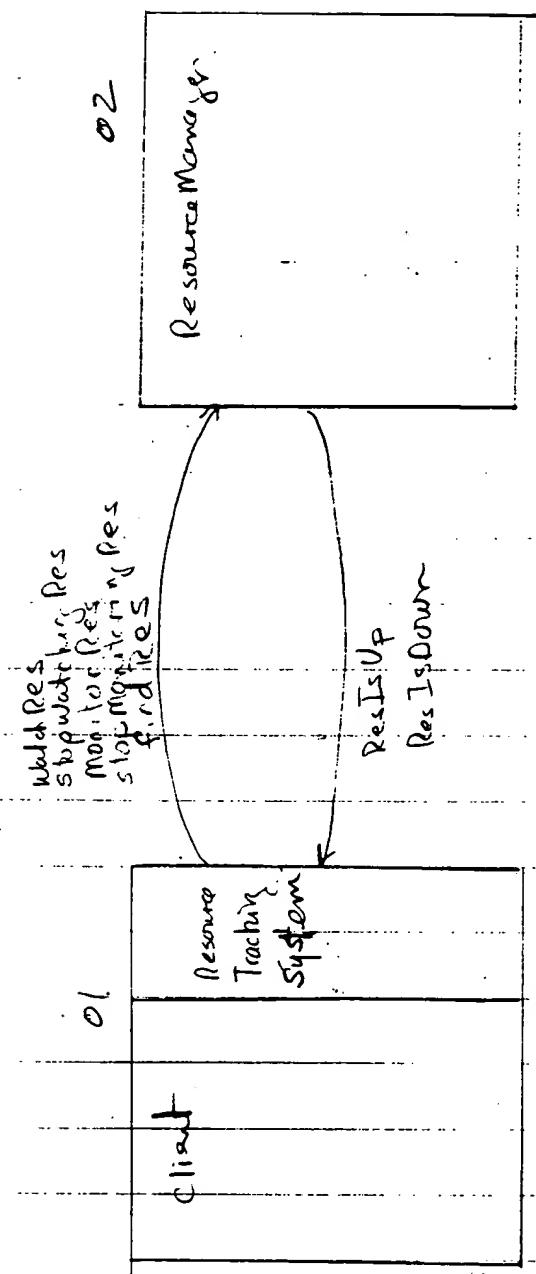


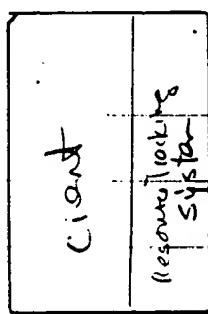
Fig 2



2 A

Client Evented Node Bus Manager

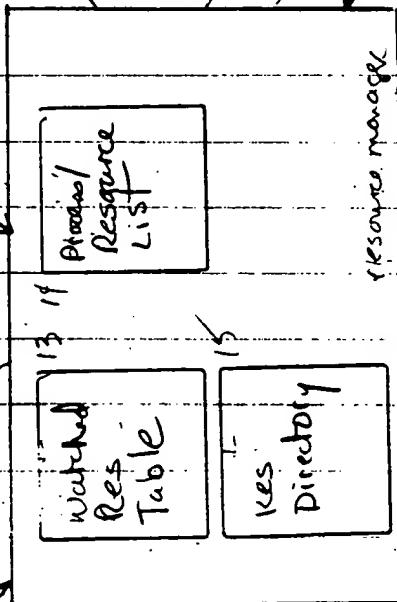
Client



client Down

watchRes
stopwatchingRes
findRes

bestsUp



WatchRes Is Up

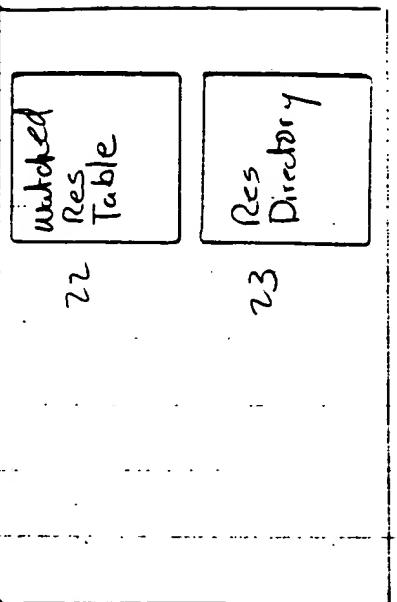
20

11

10

Node Is Down

21



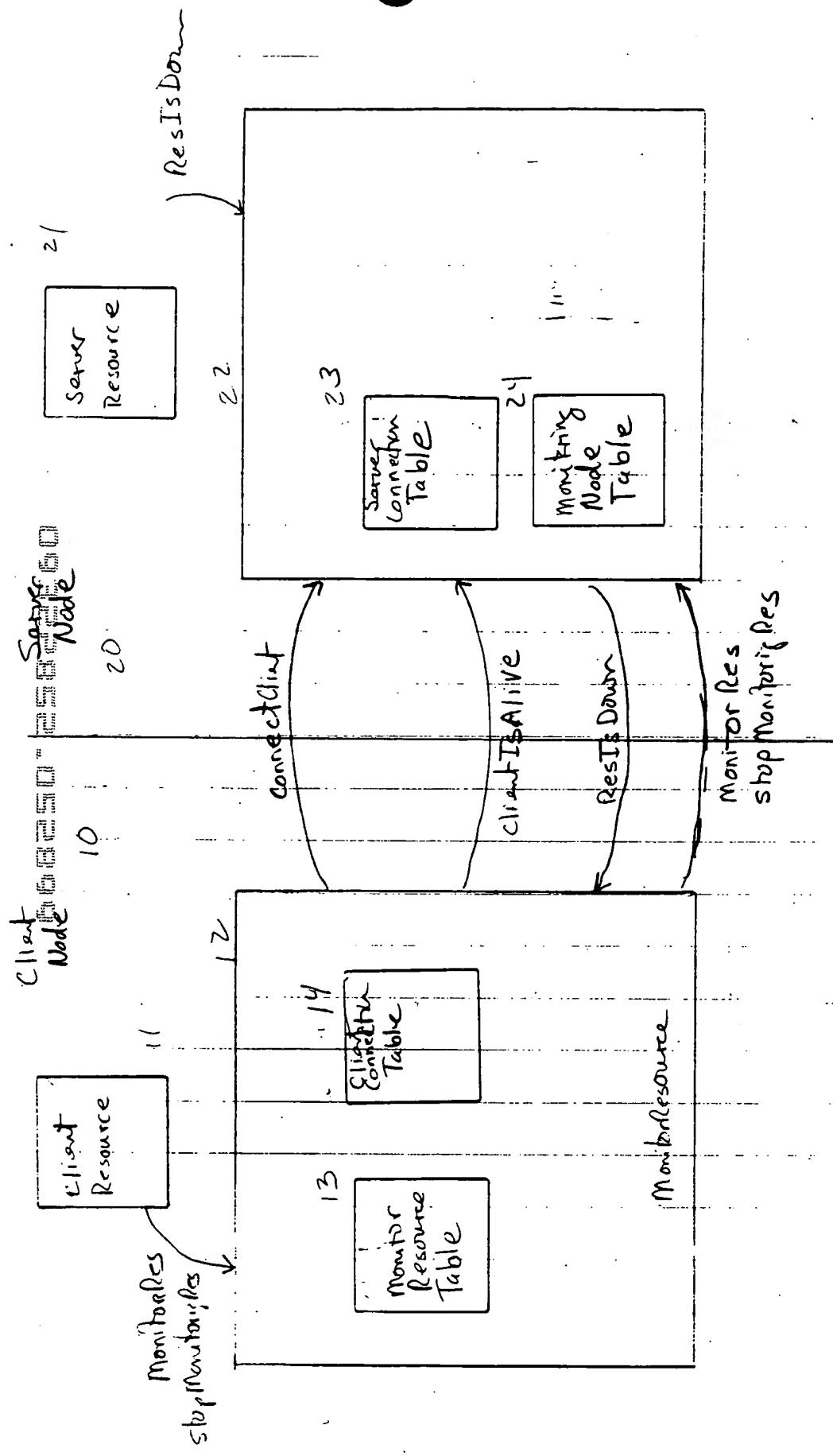
Attach Res
Detach Res

Watch Res
stopwatching Res

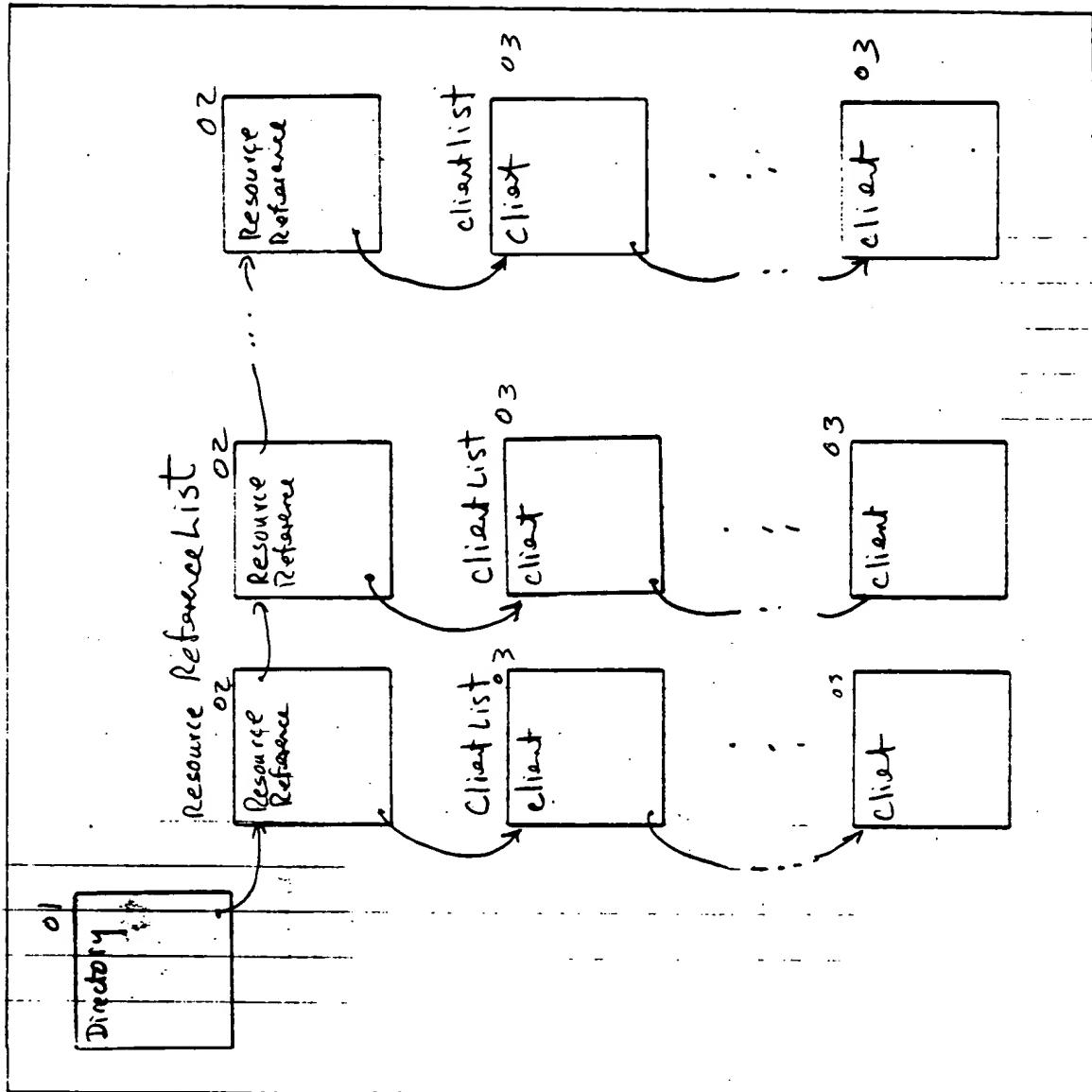
findRes

resource manager

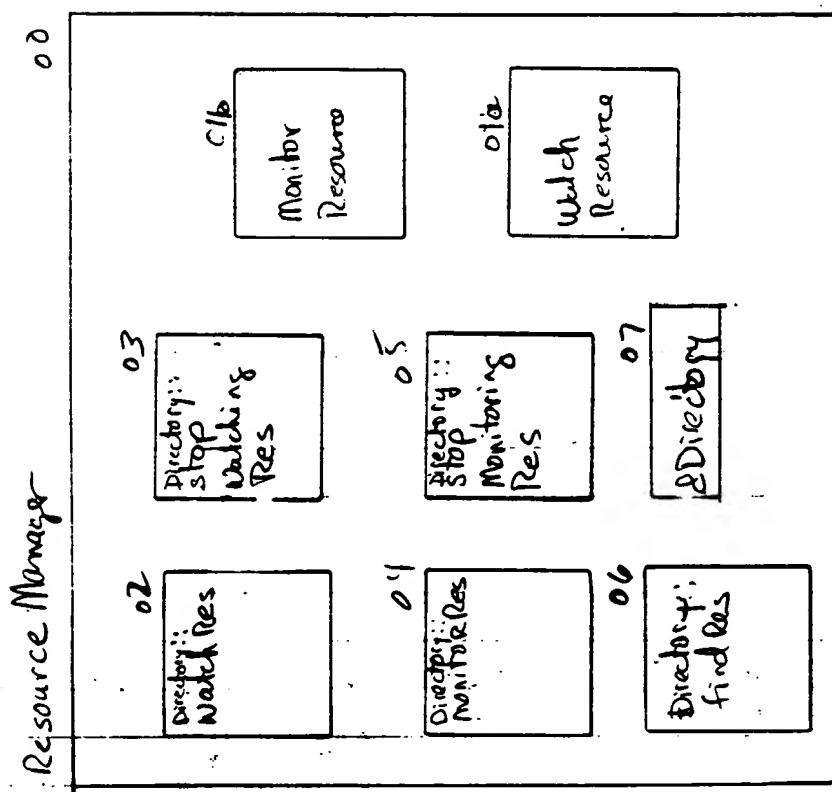
Fig 2B



E-2C



3



۱۸

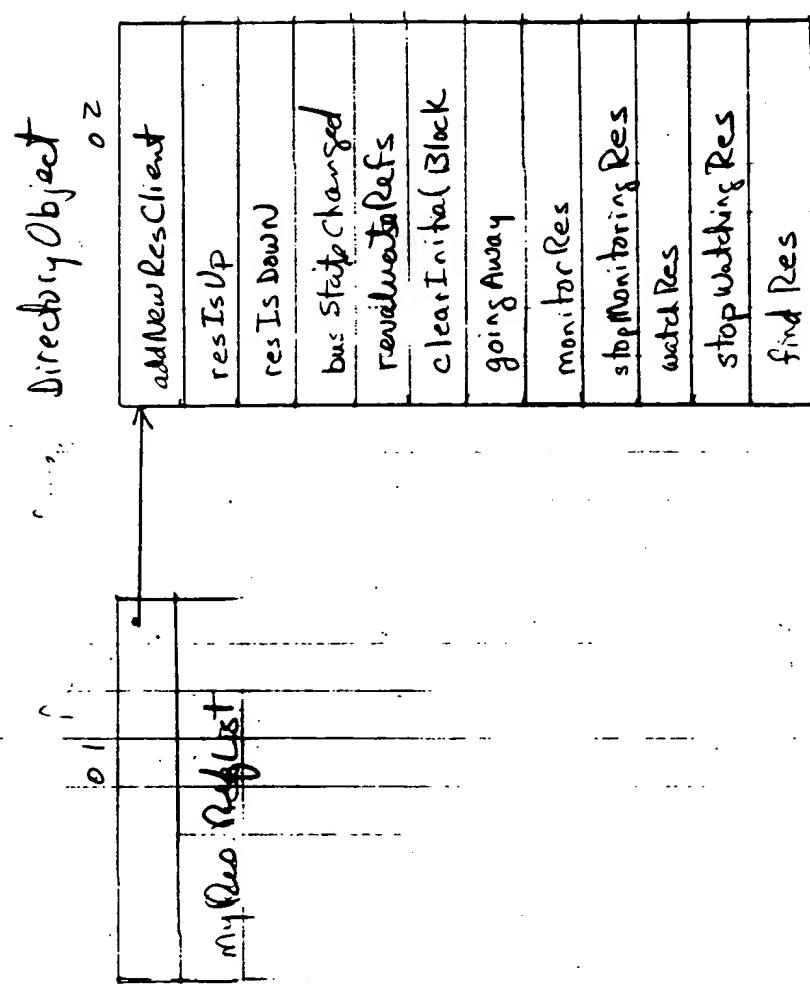


Fig 5

Resource Reference Object

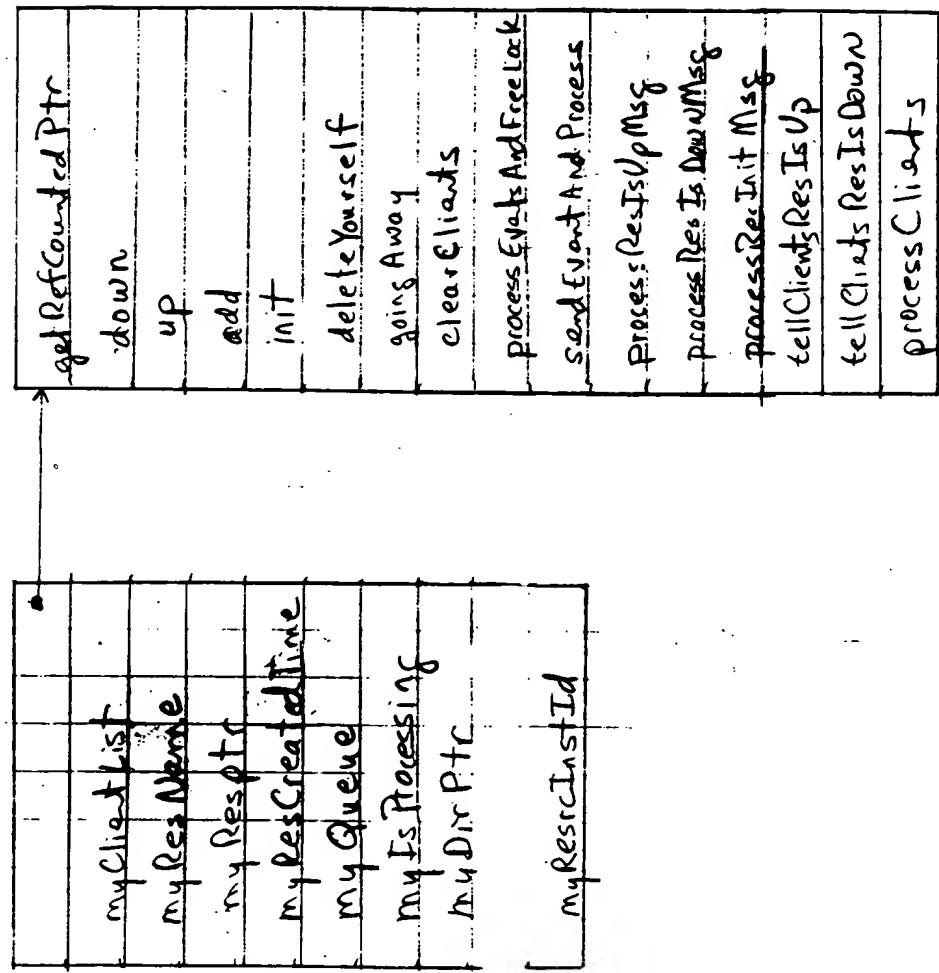


Fig 6

Client Object

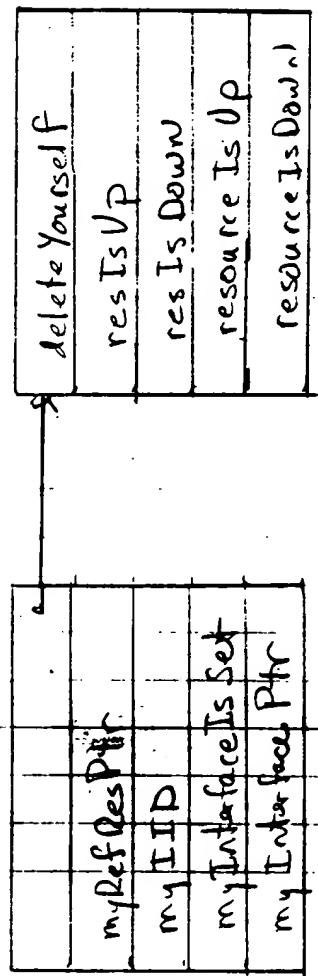


Fig 7

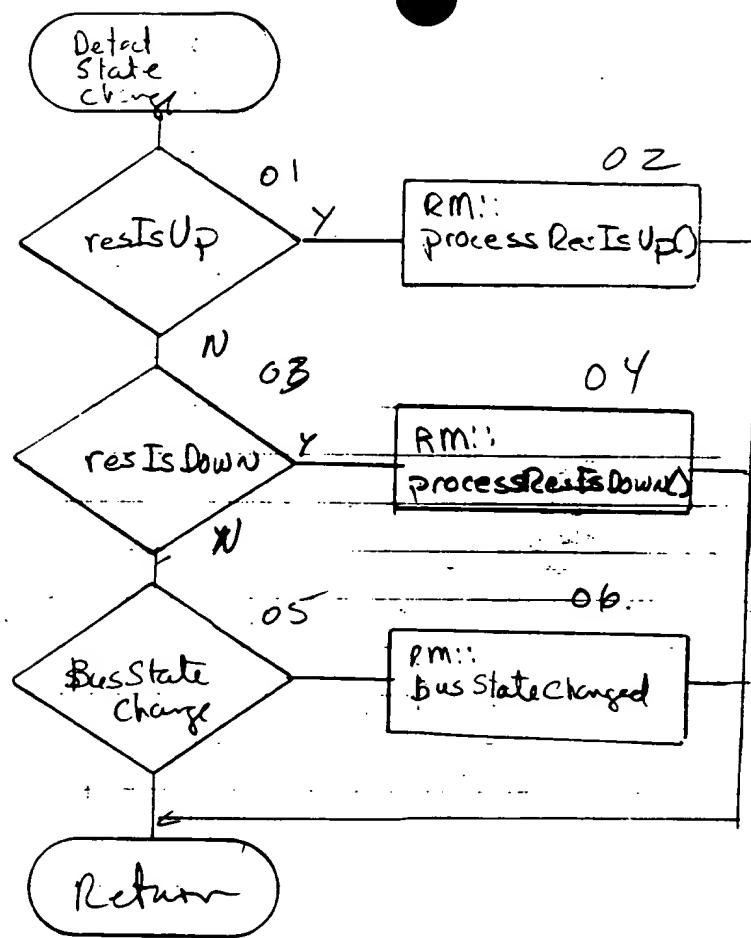


Fig 8

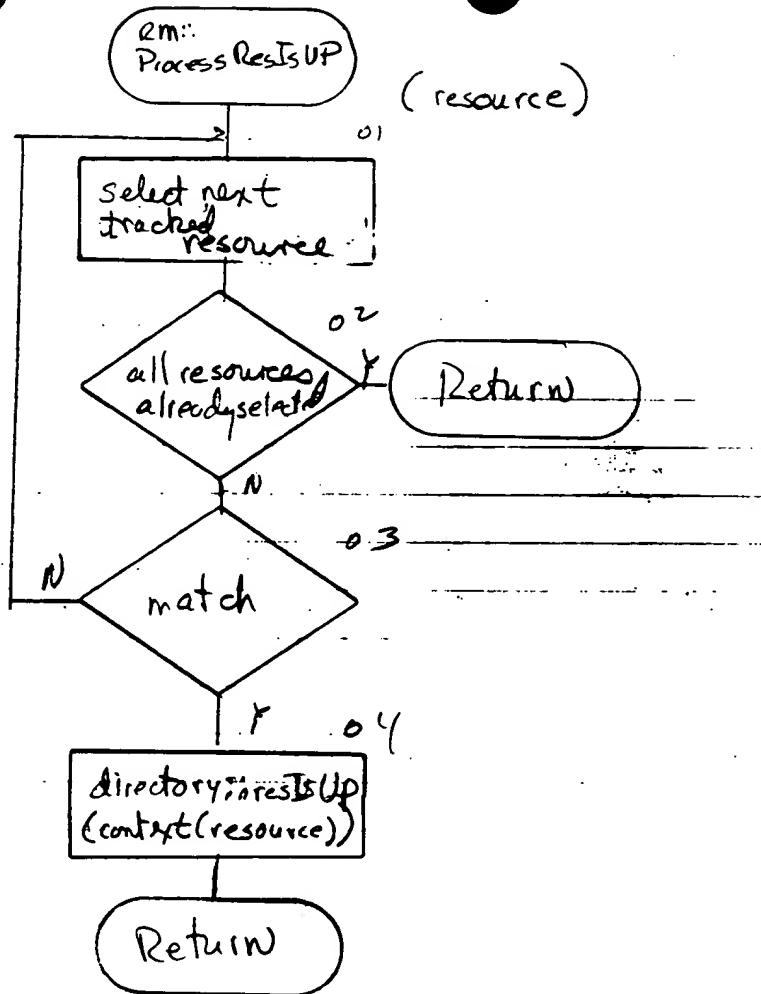


Fig 9

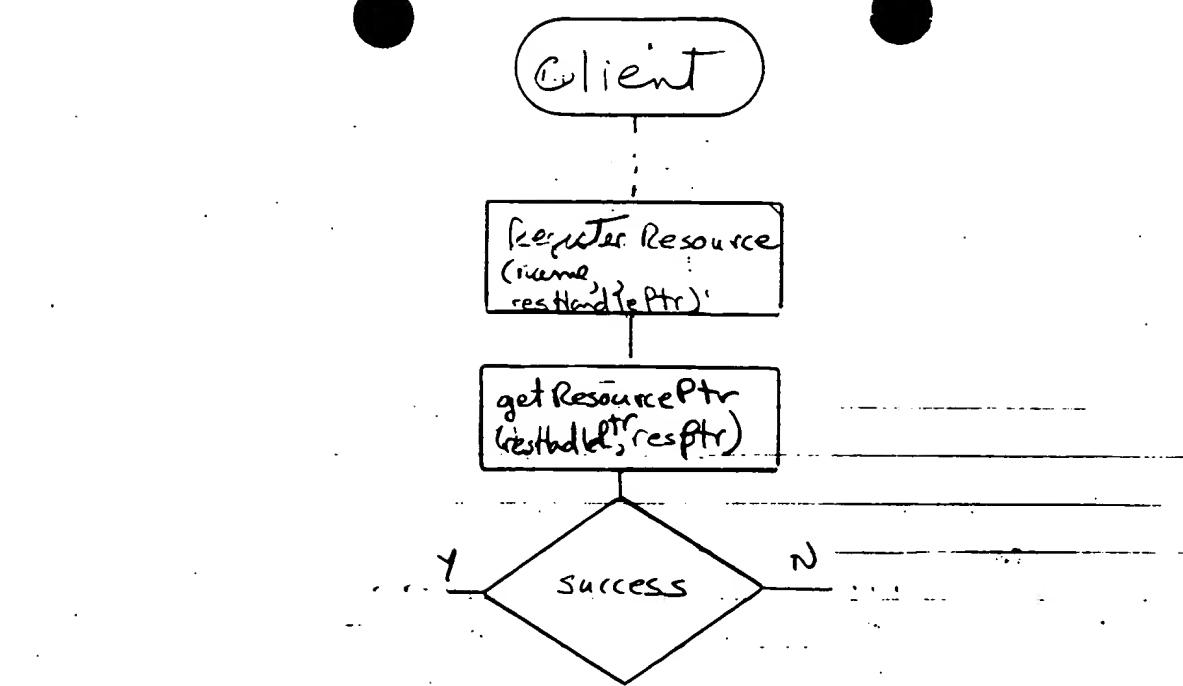


Fig 10

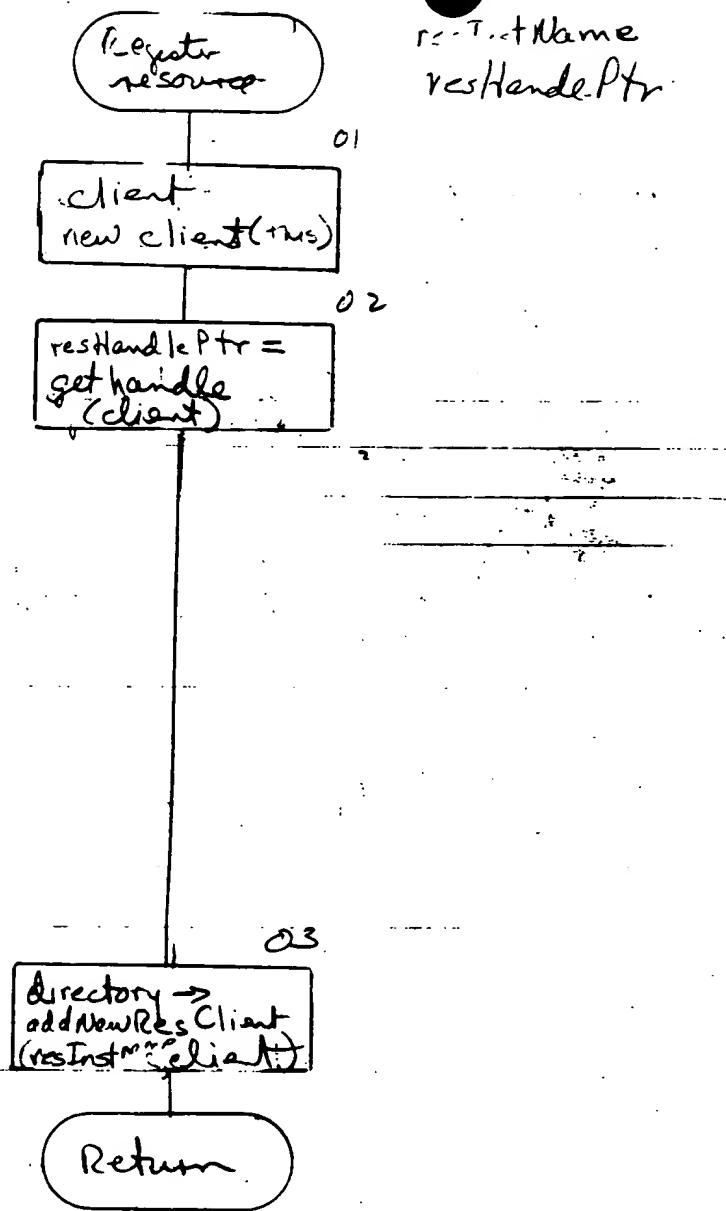


Figure 11

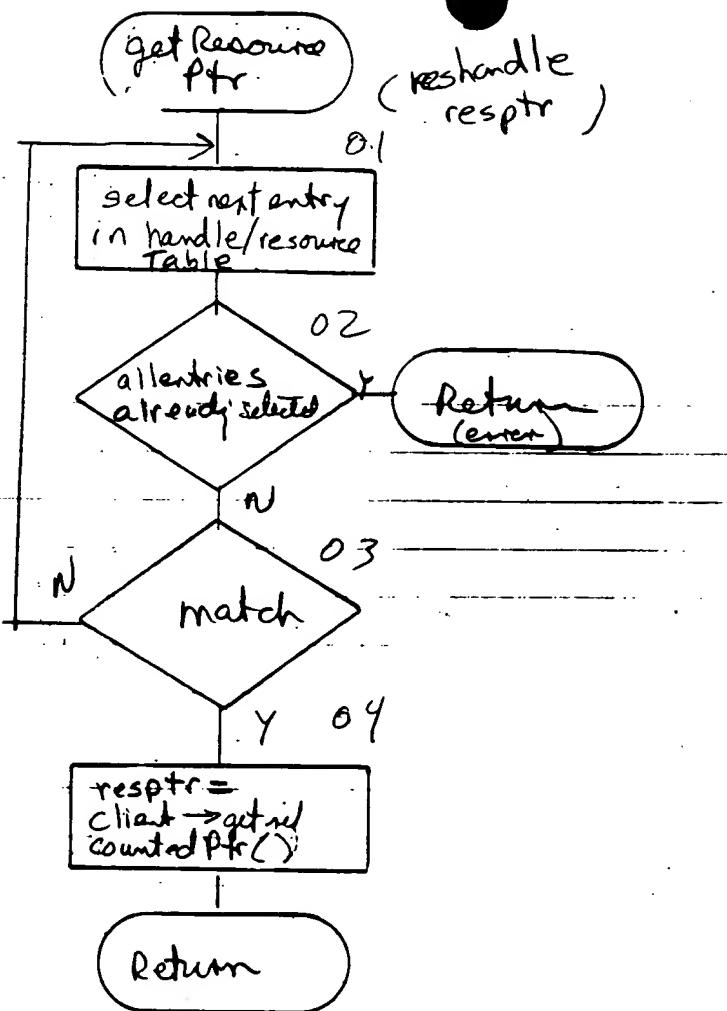


Fig 12

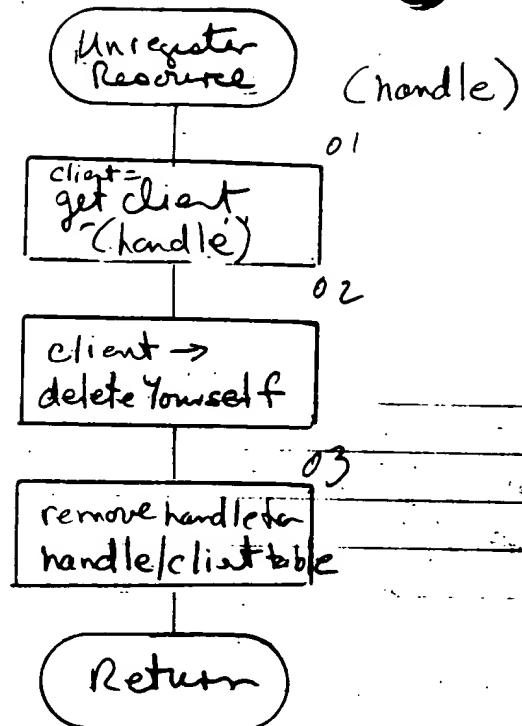


Fig 13

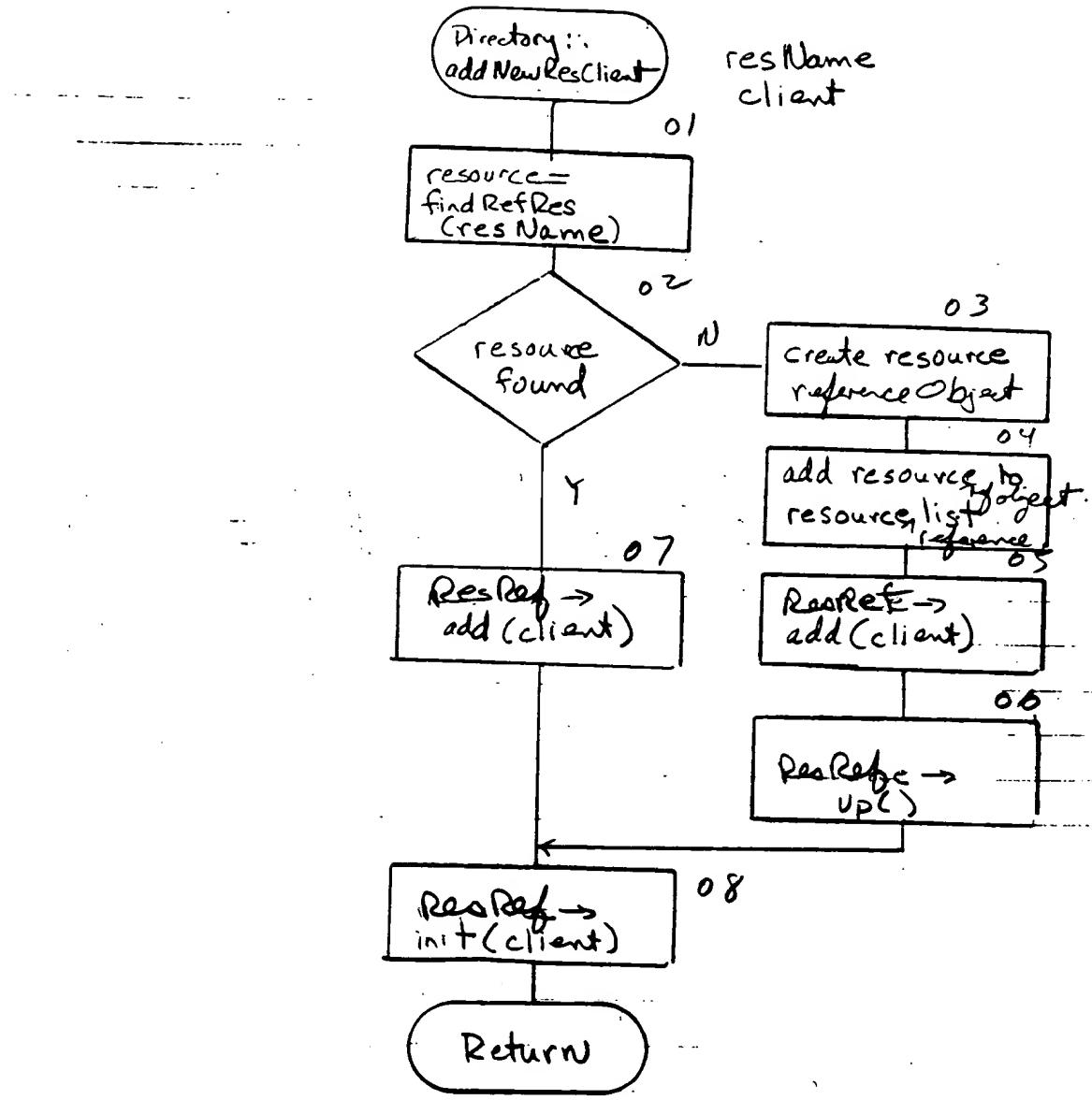


Fig 14

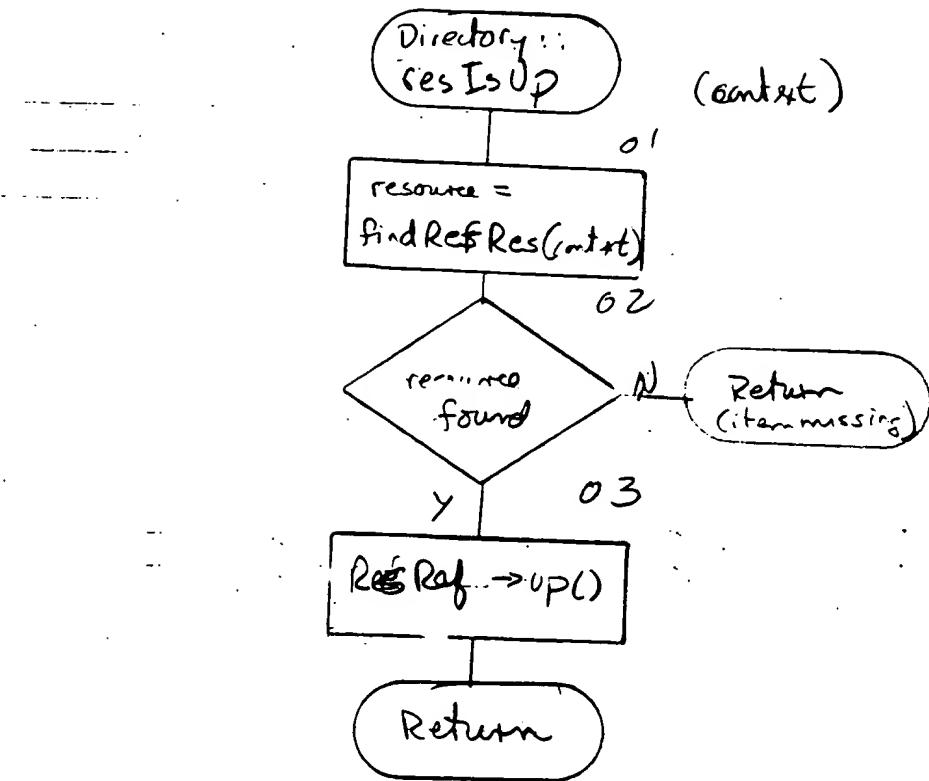


Fig 15

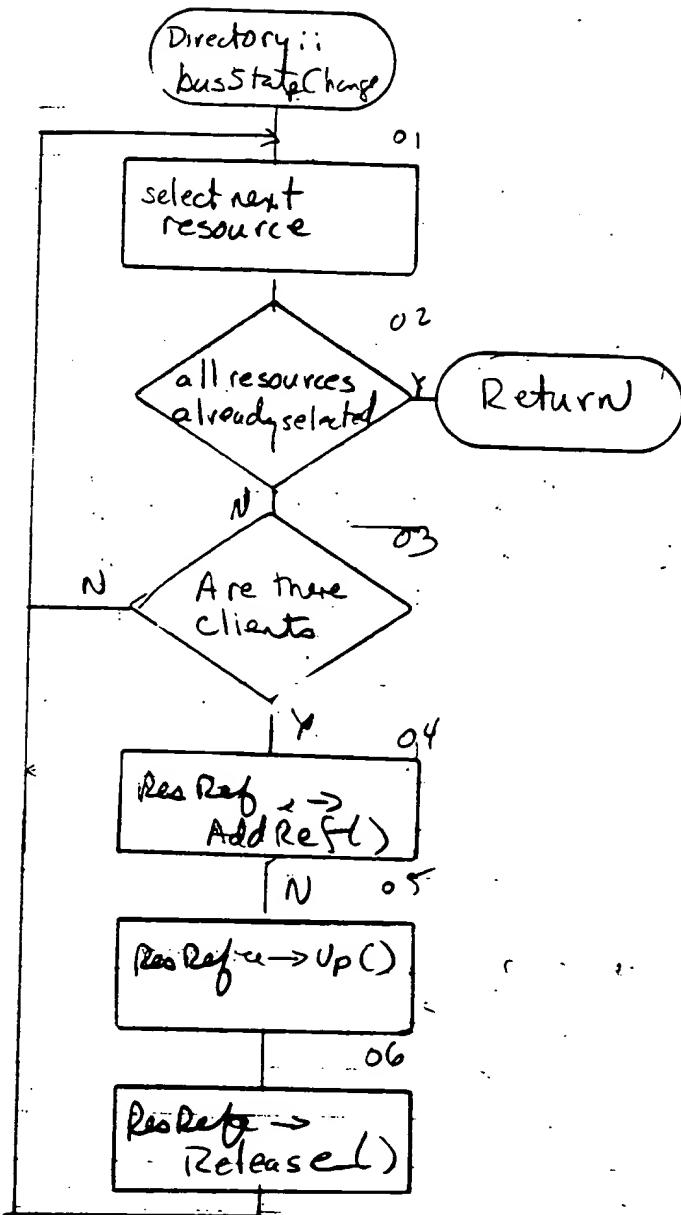


Fig 14

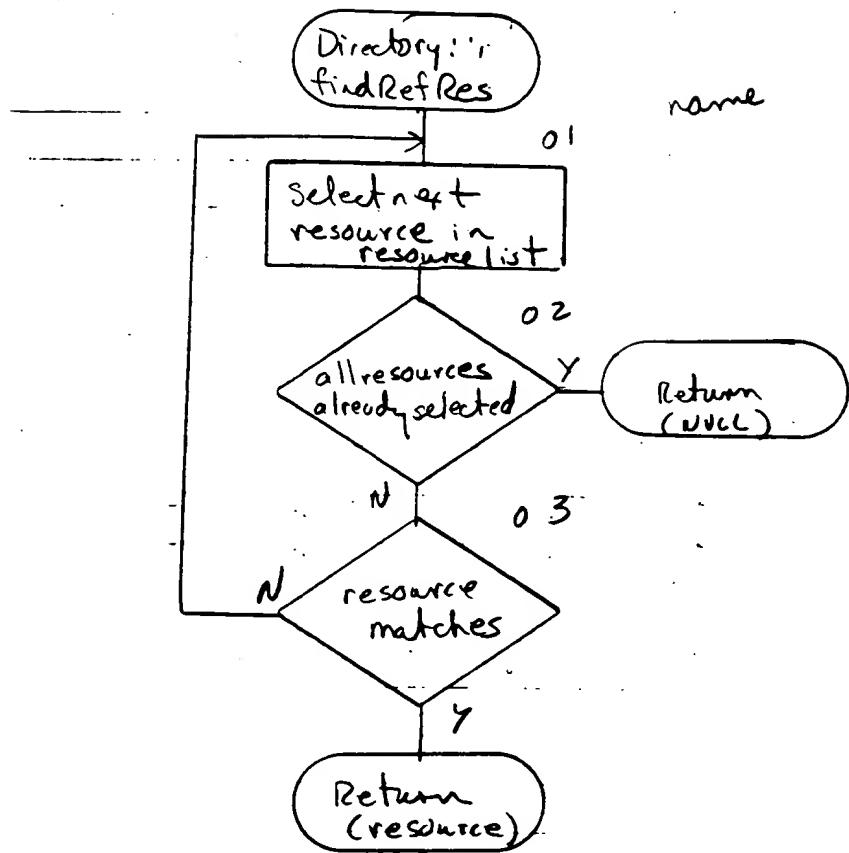


Fig 17

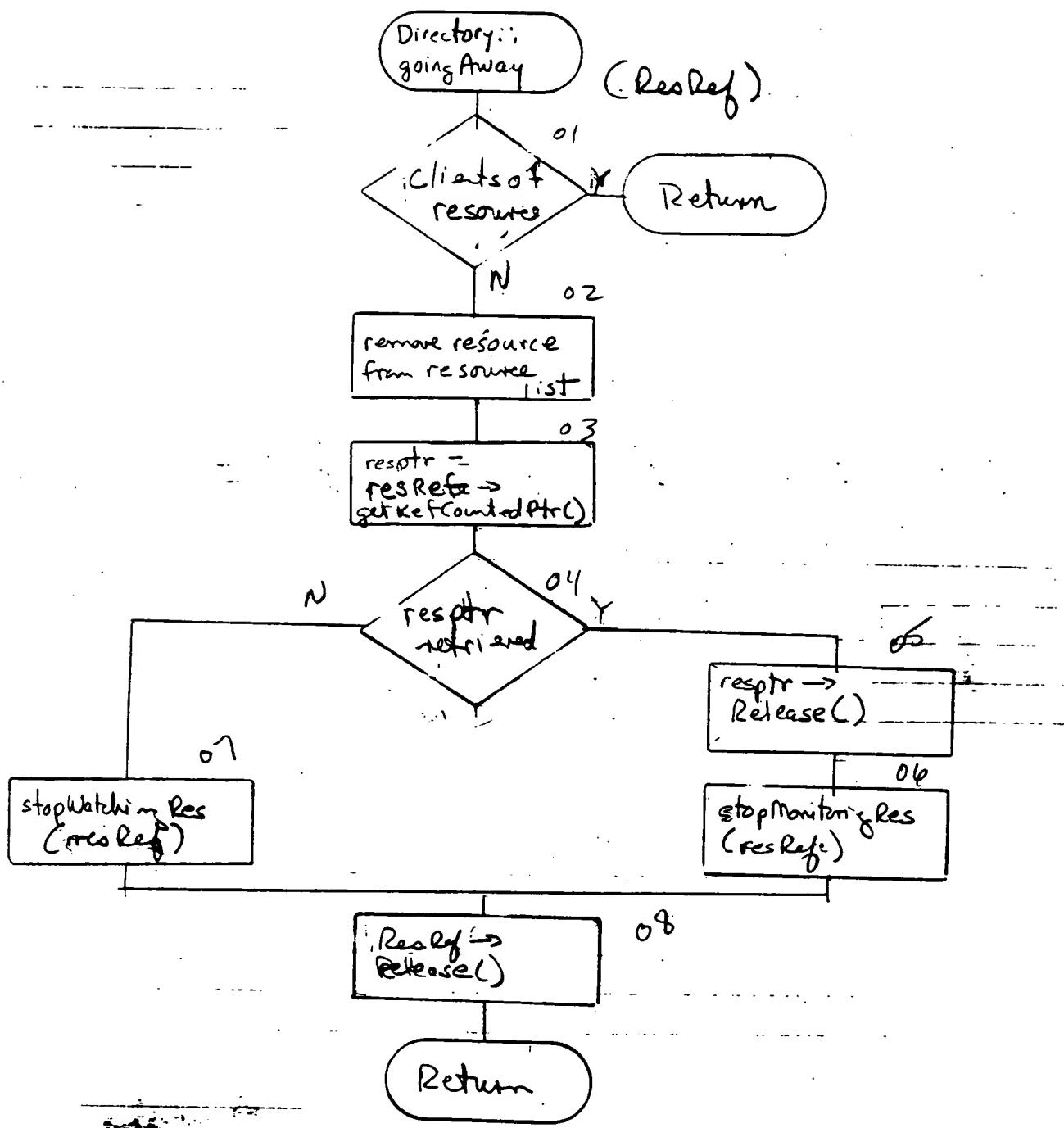


Figure 18

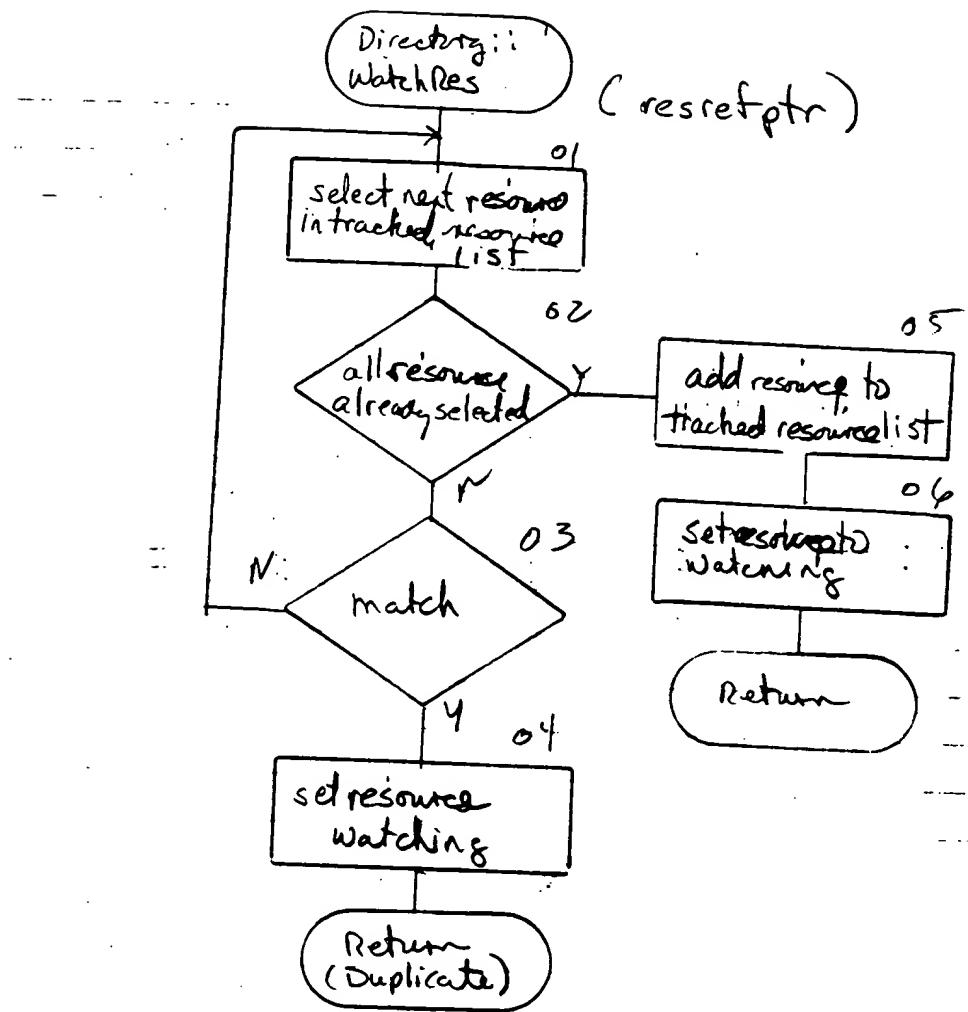


Fig. 19

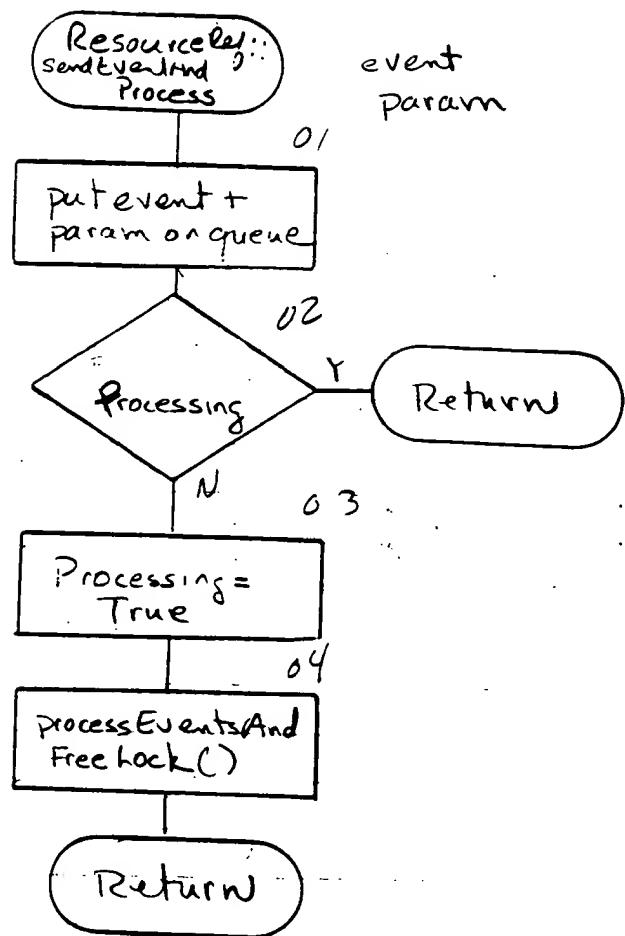


Fig. 20

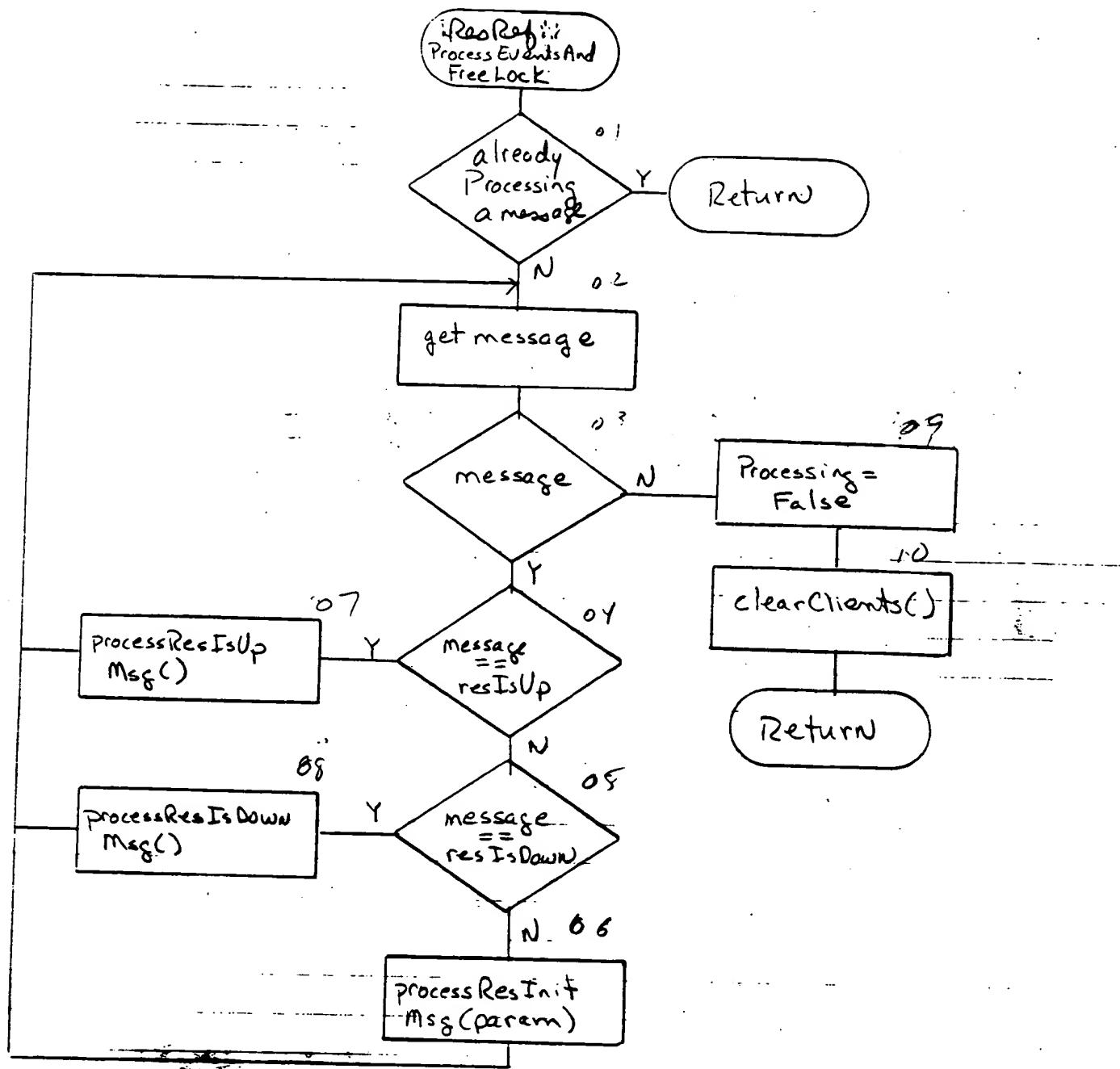


Fig 21

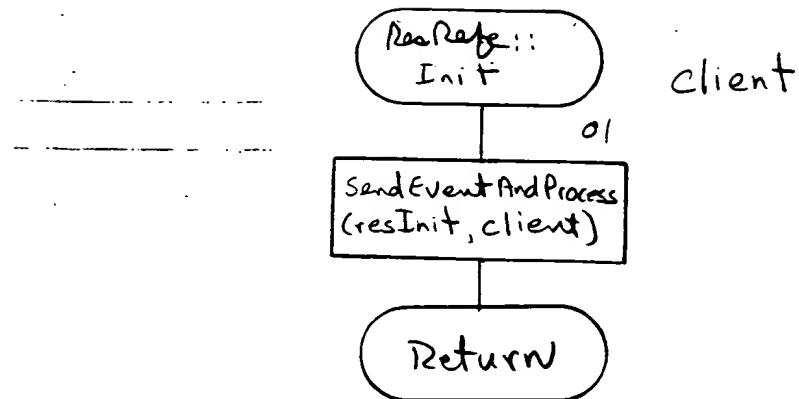


Fig 22

Fig 23

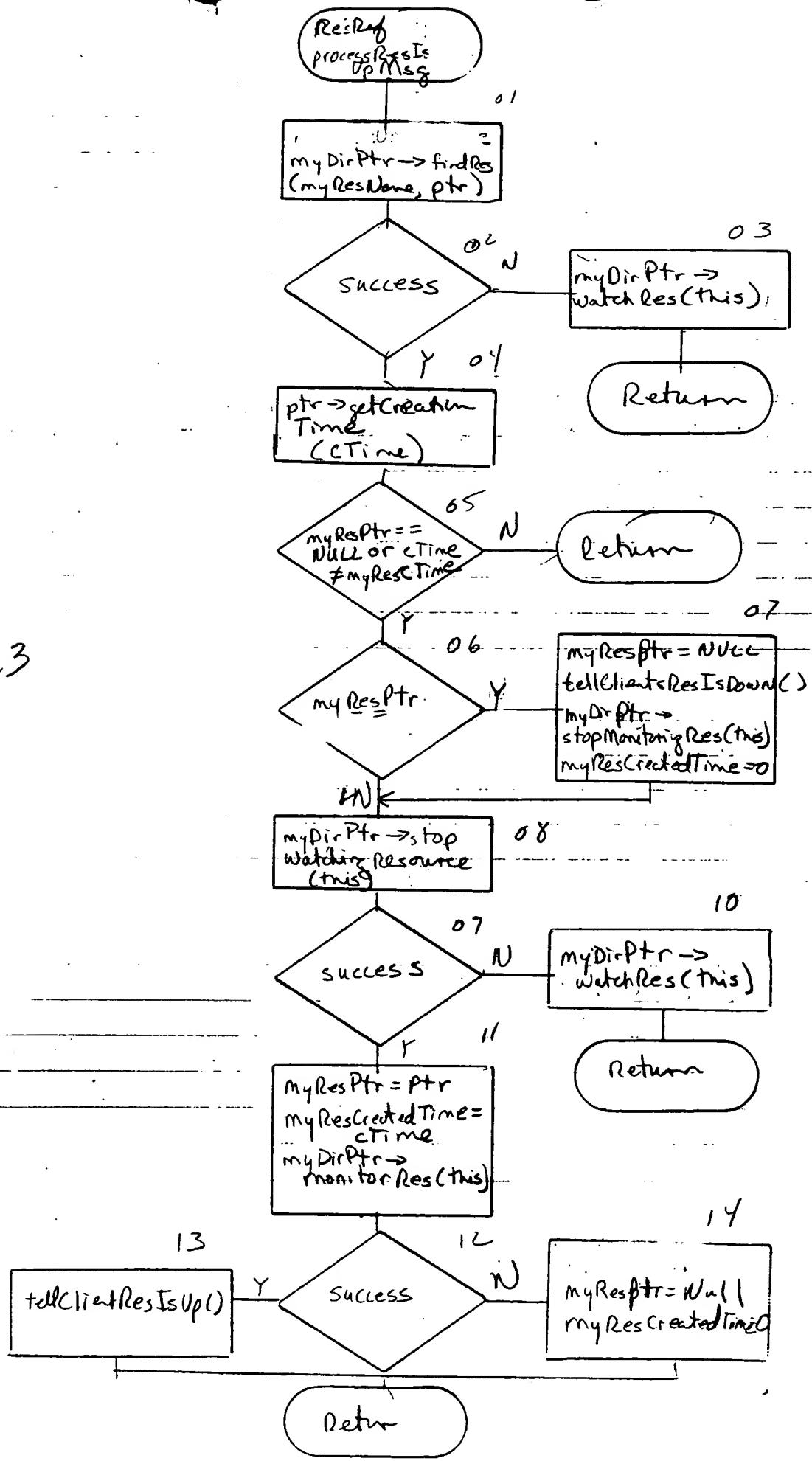
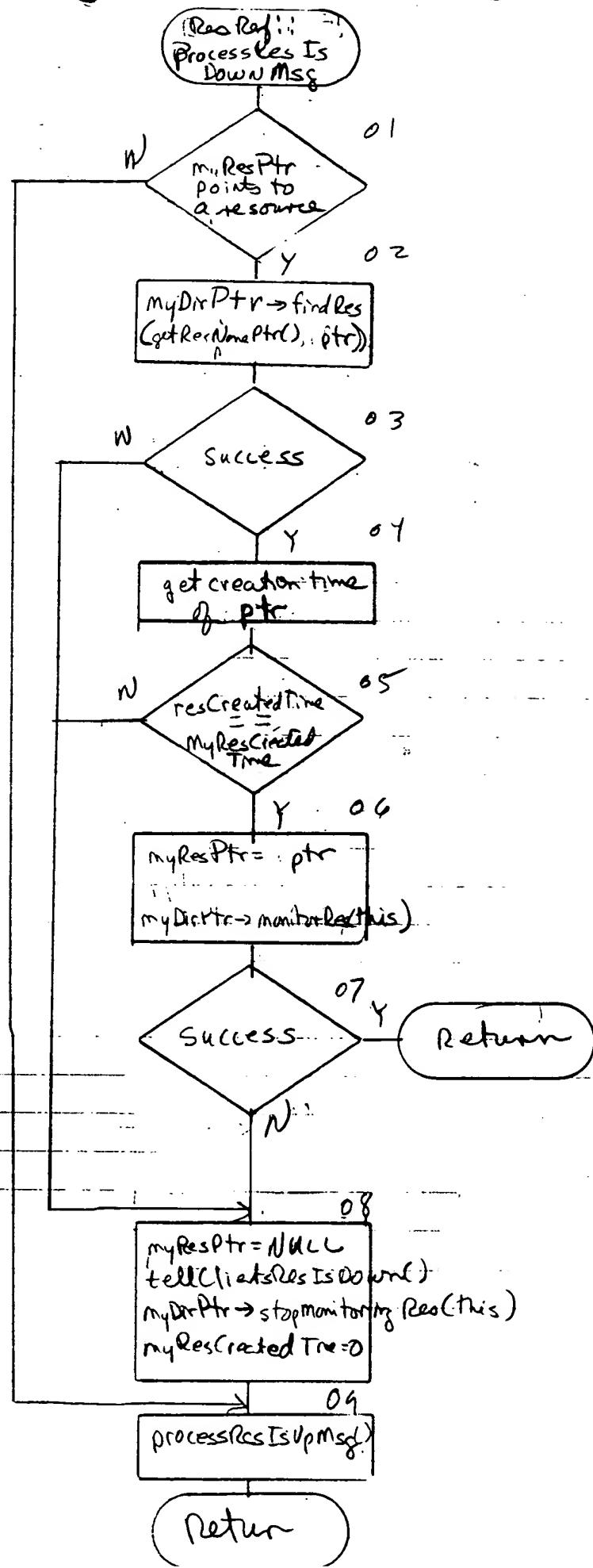


Fig 24



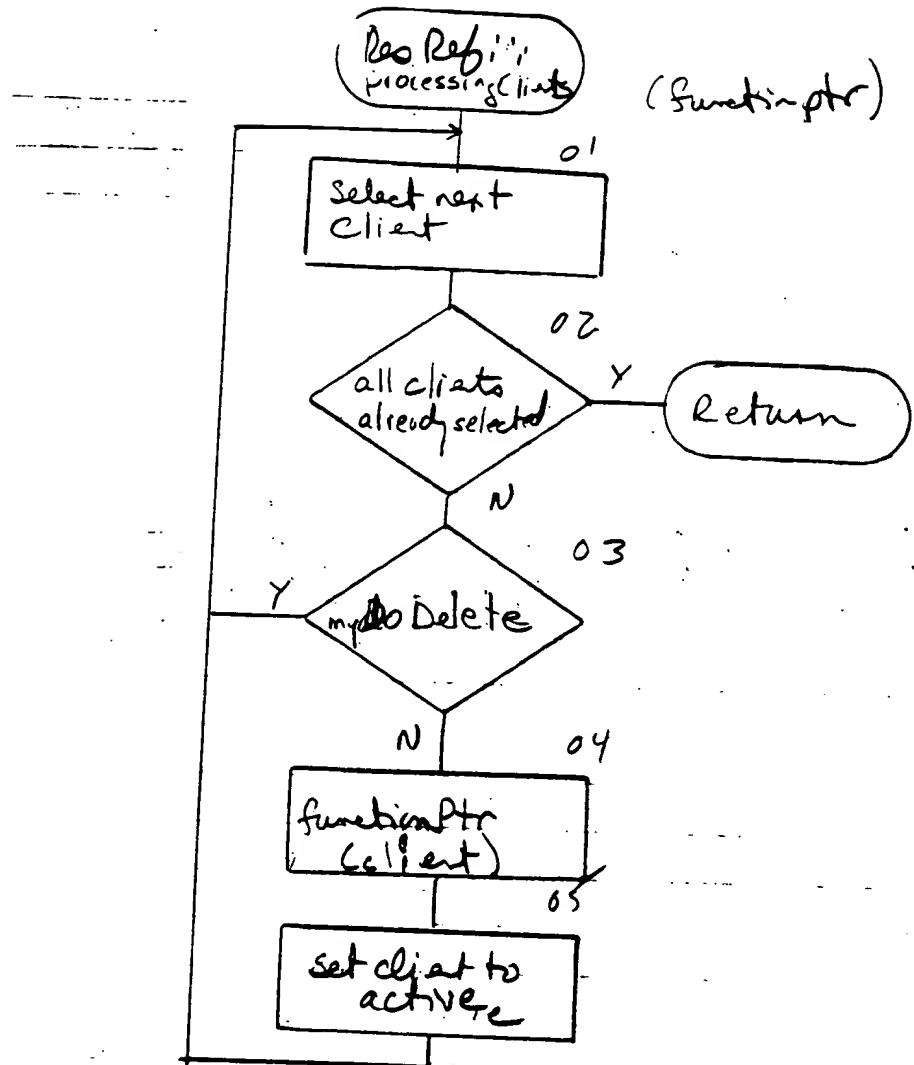


Fig 25

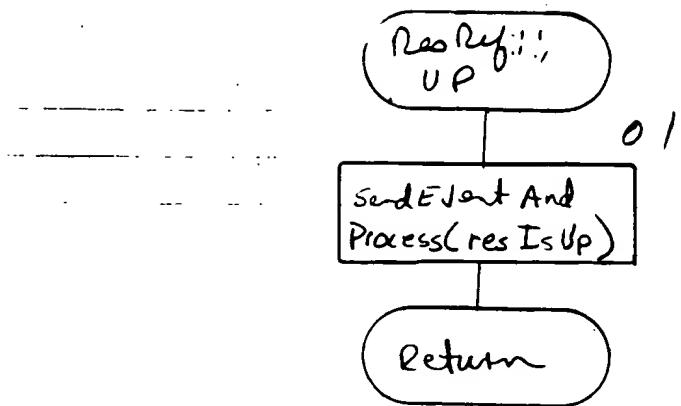


Fig 24

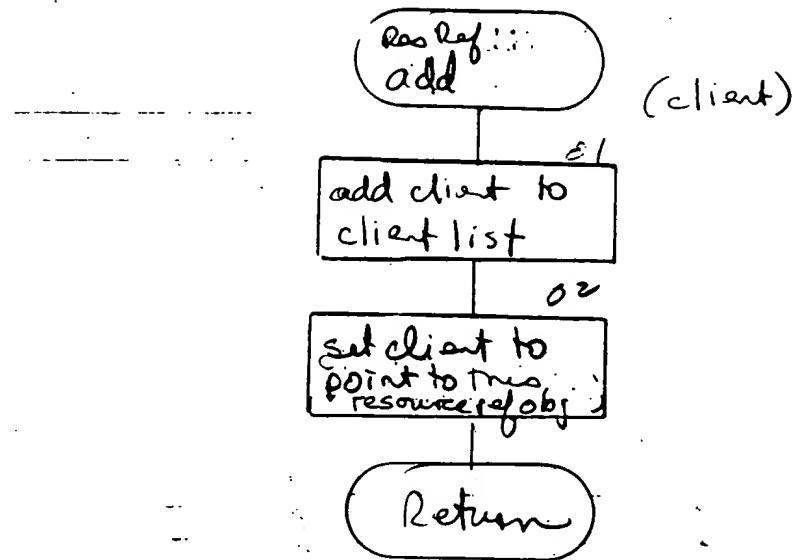


Fig 27

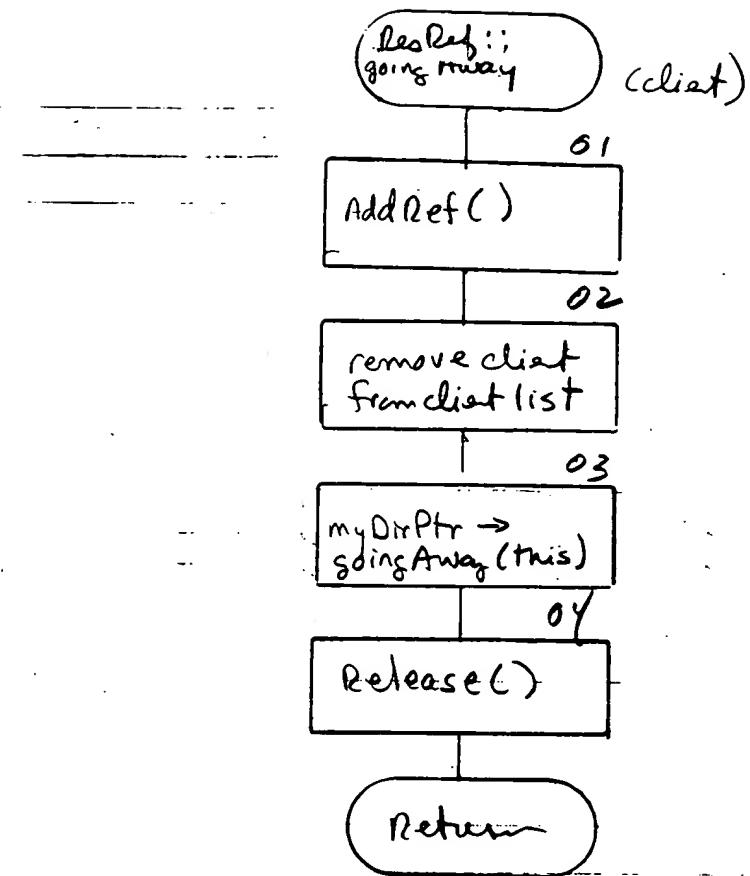


Fig 28

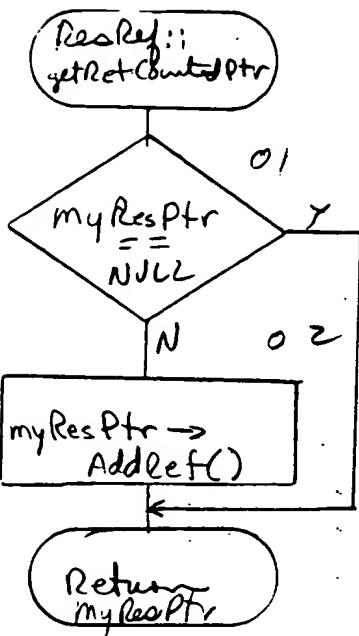


Fig 29.

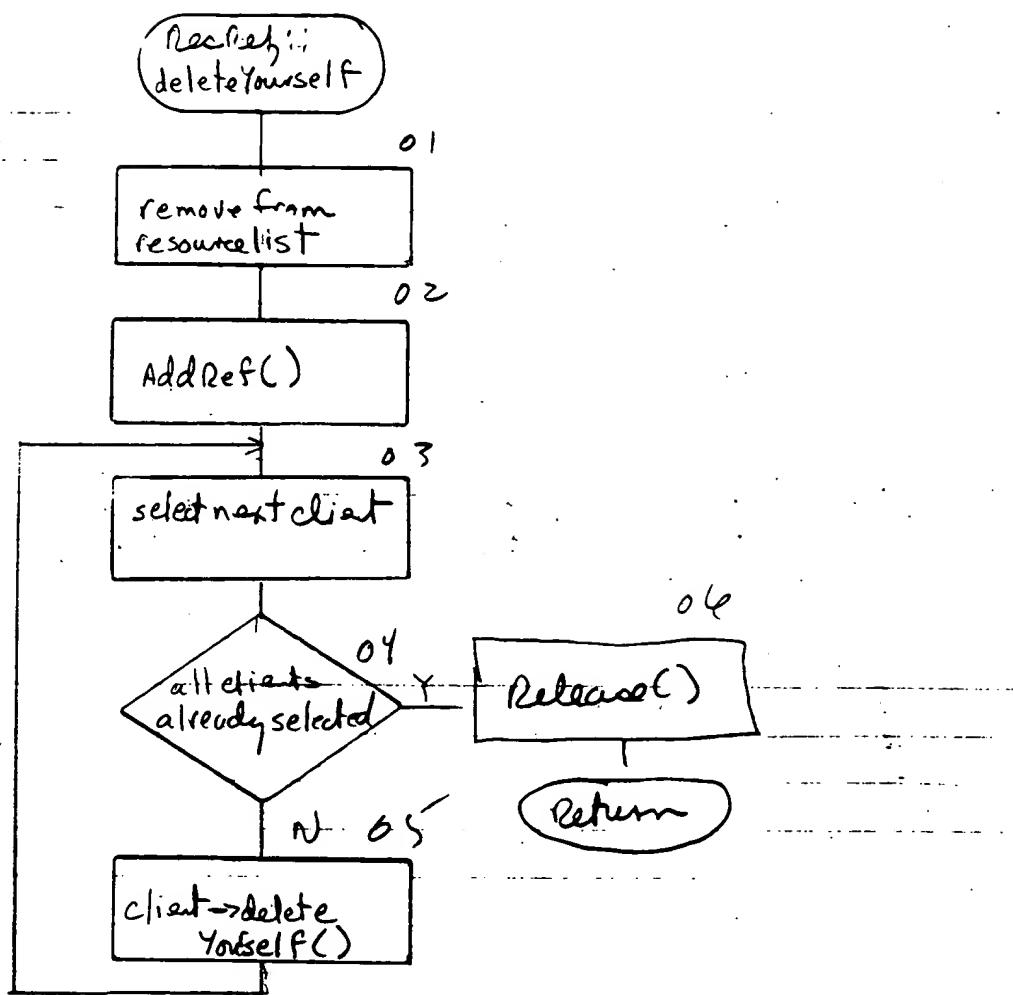


Fig 30

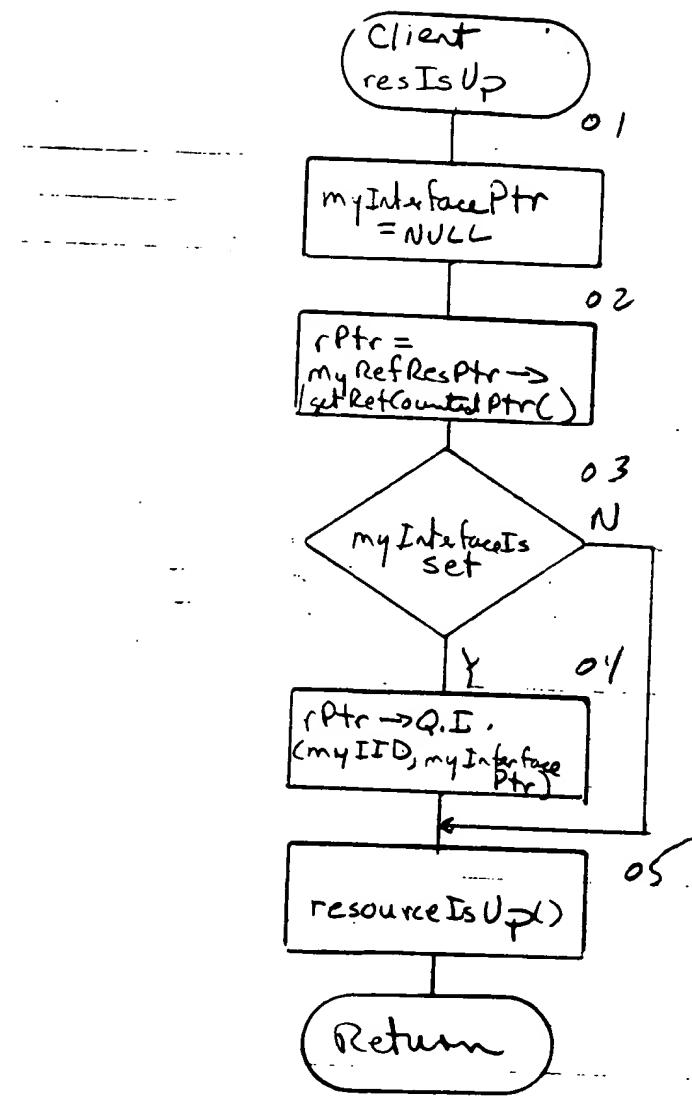


Fig 3k

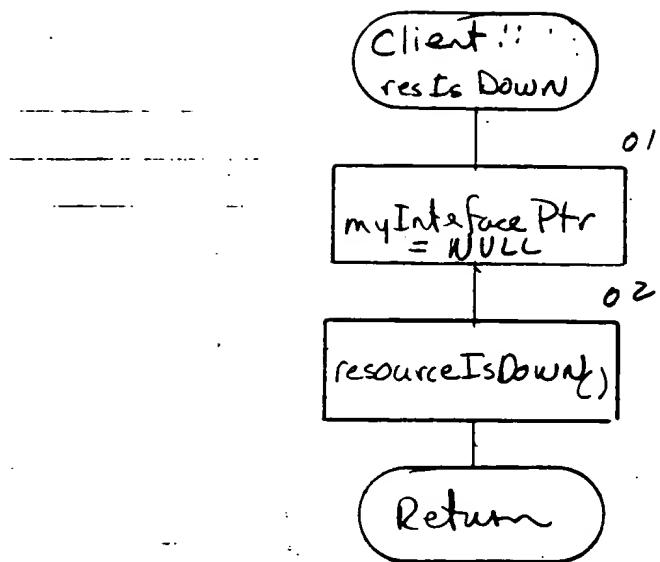


Fig 32

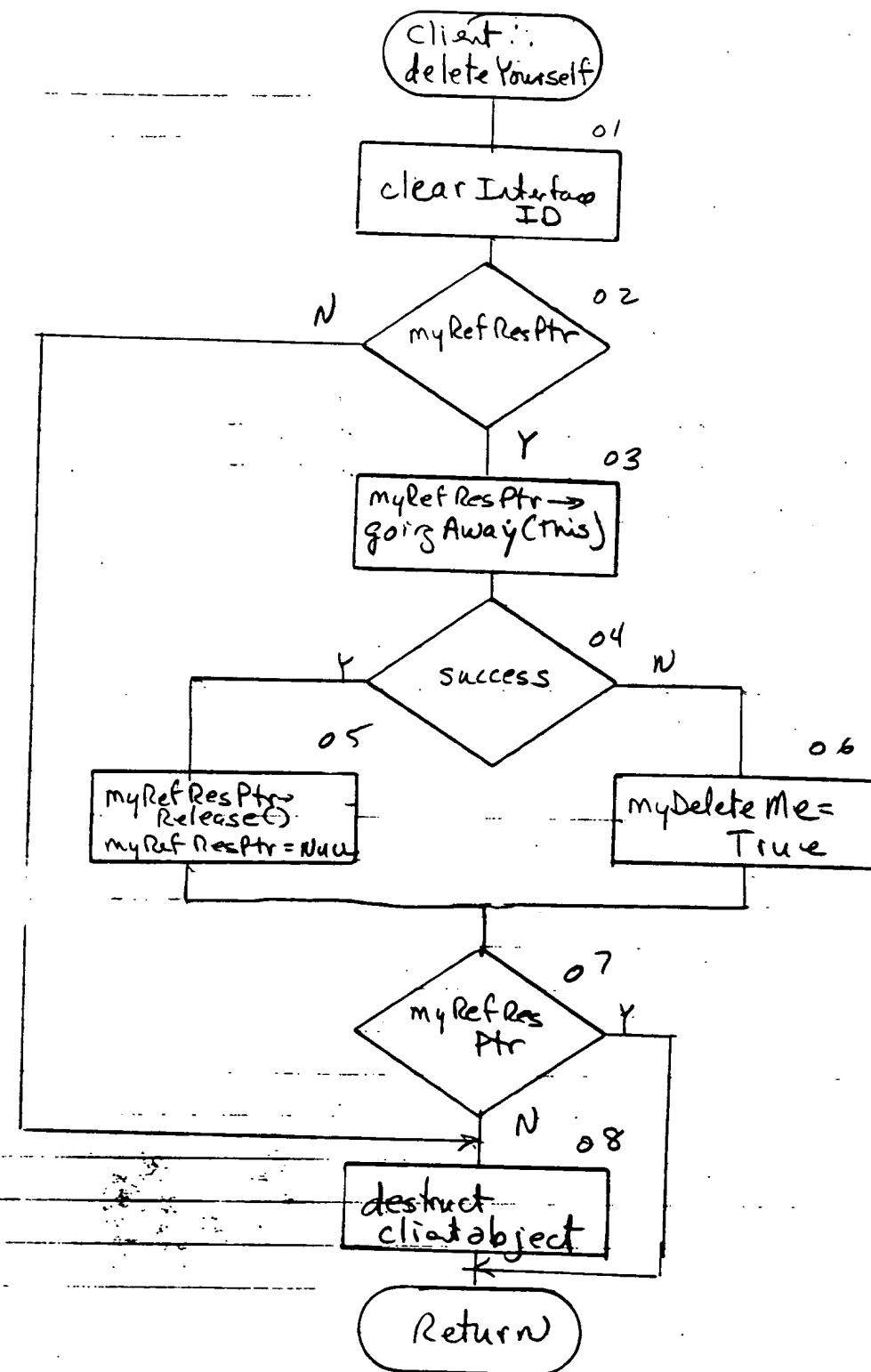
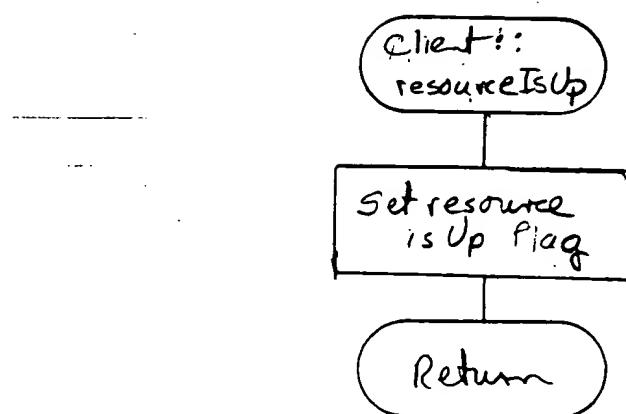


Figure 33



34

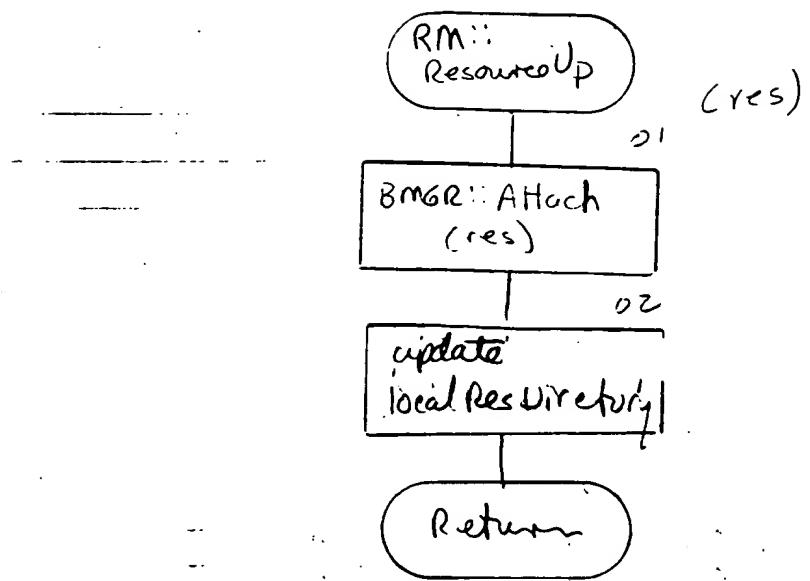


Fig 35

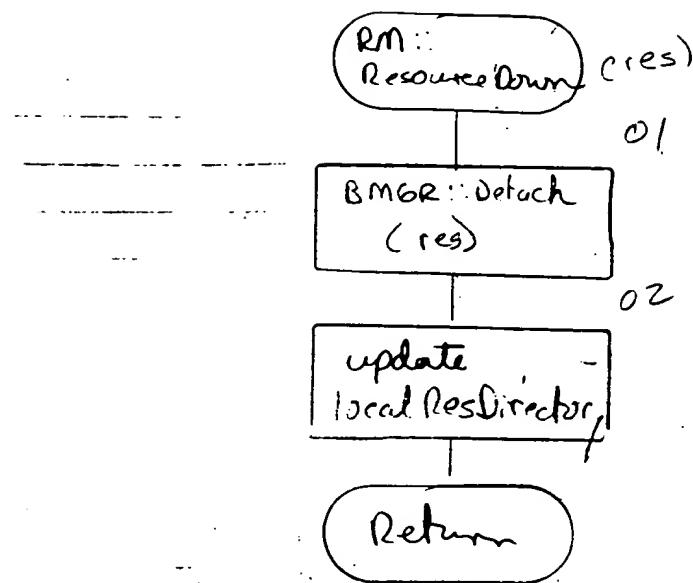


Fig 36

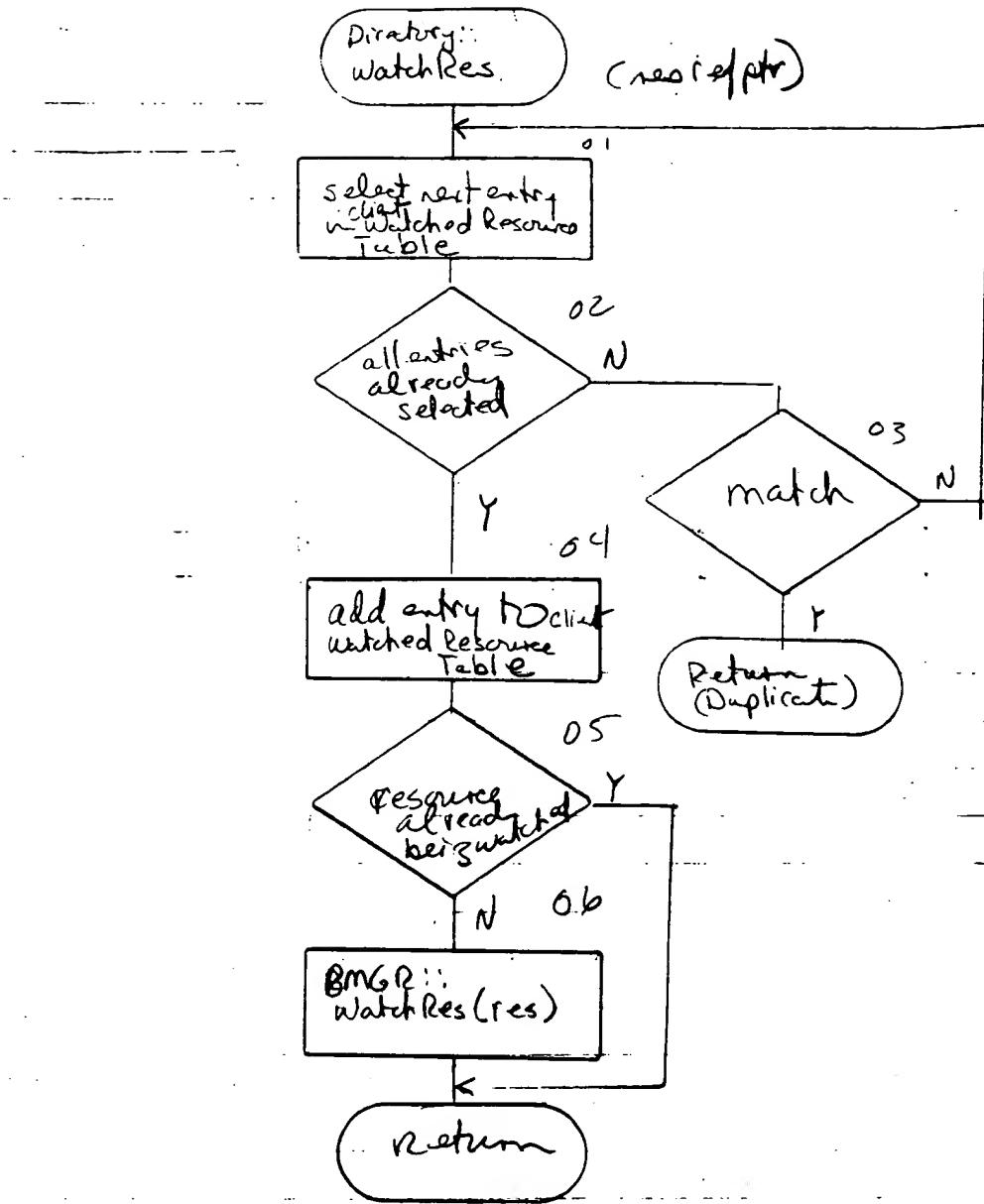


Fig 37

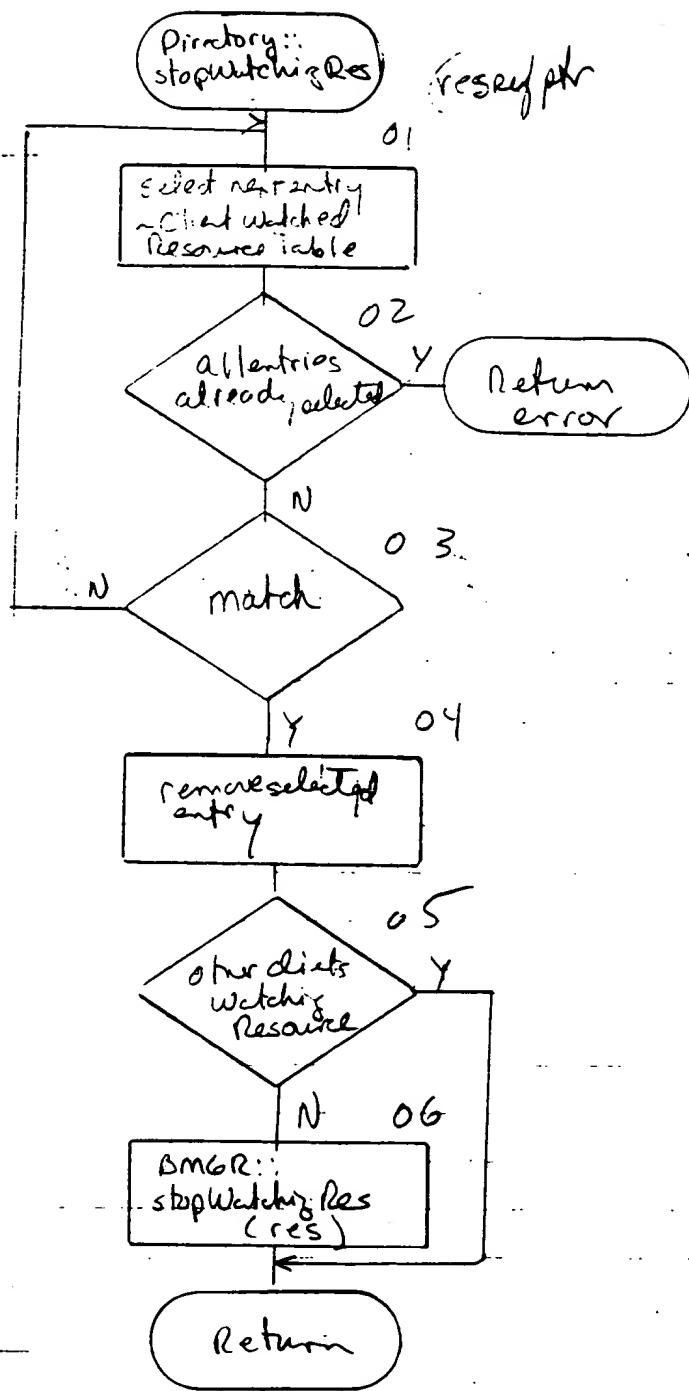


Fig 38

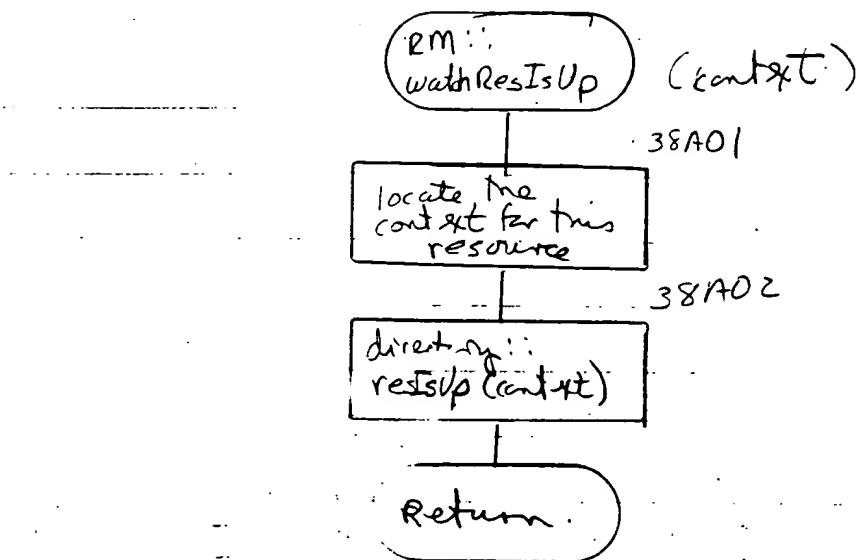


Figure 38A

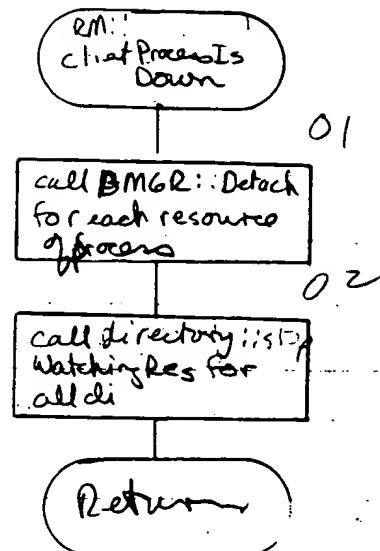
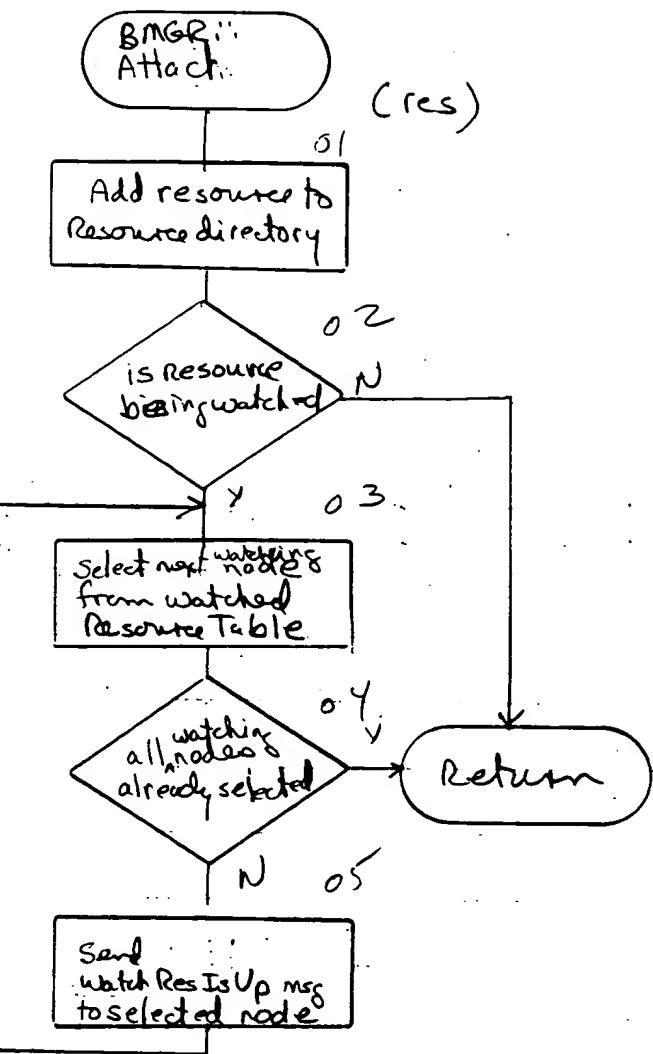


Fig 39



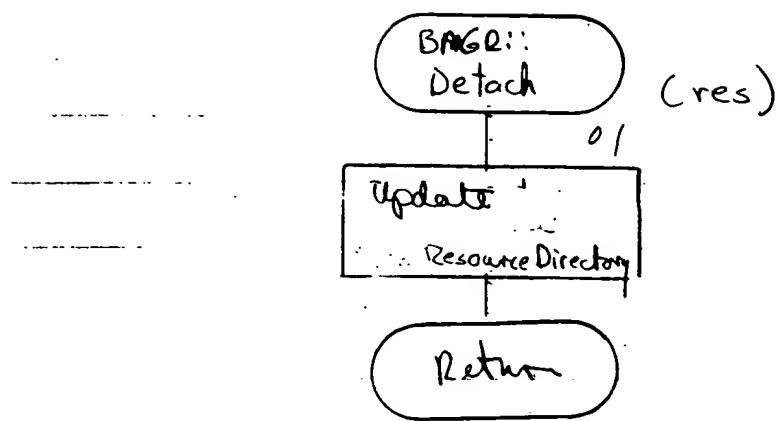


Fig. 41

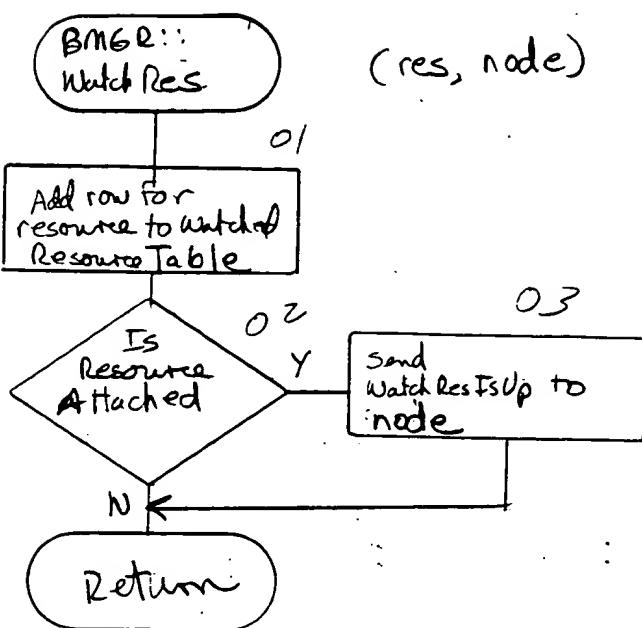


Fig 42

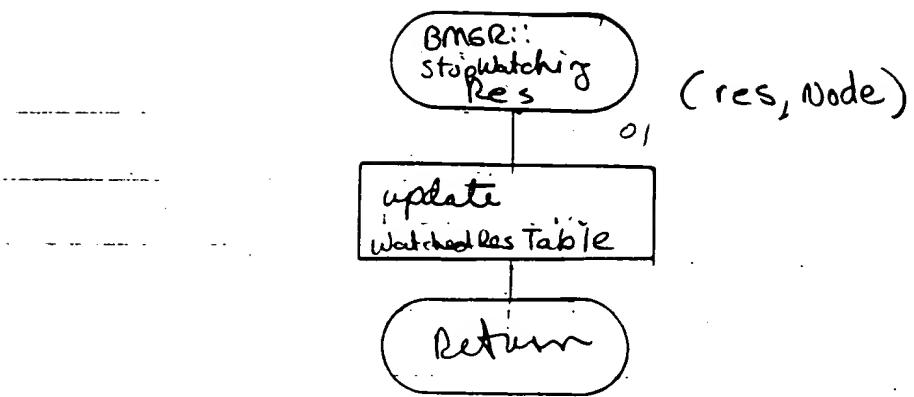
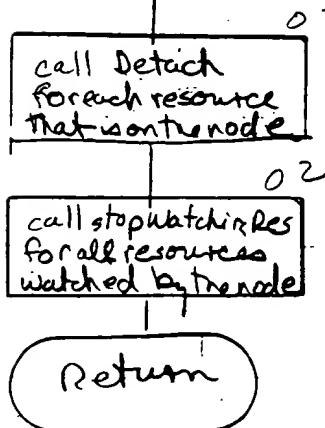


Fig 43

BMGR::
NodeIsDown (node)



4/4

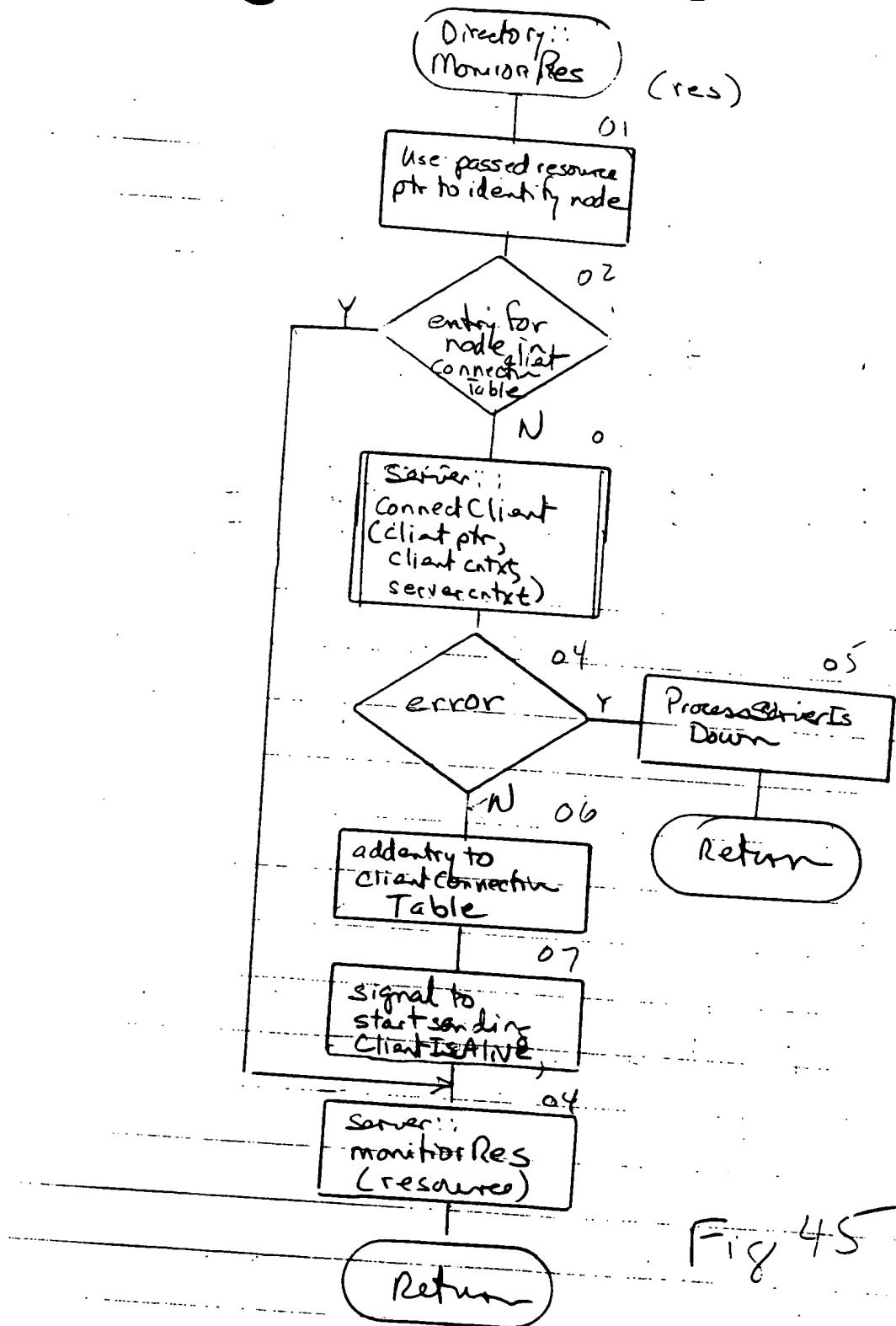


Fig 45

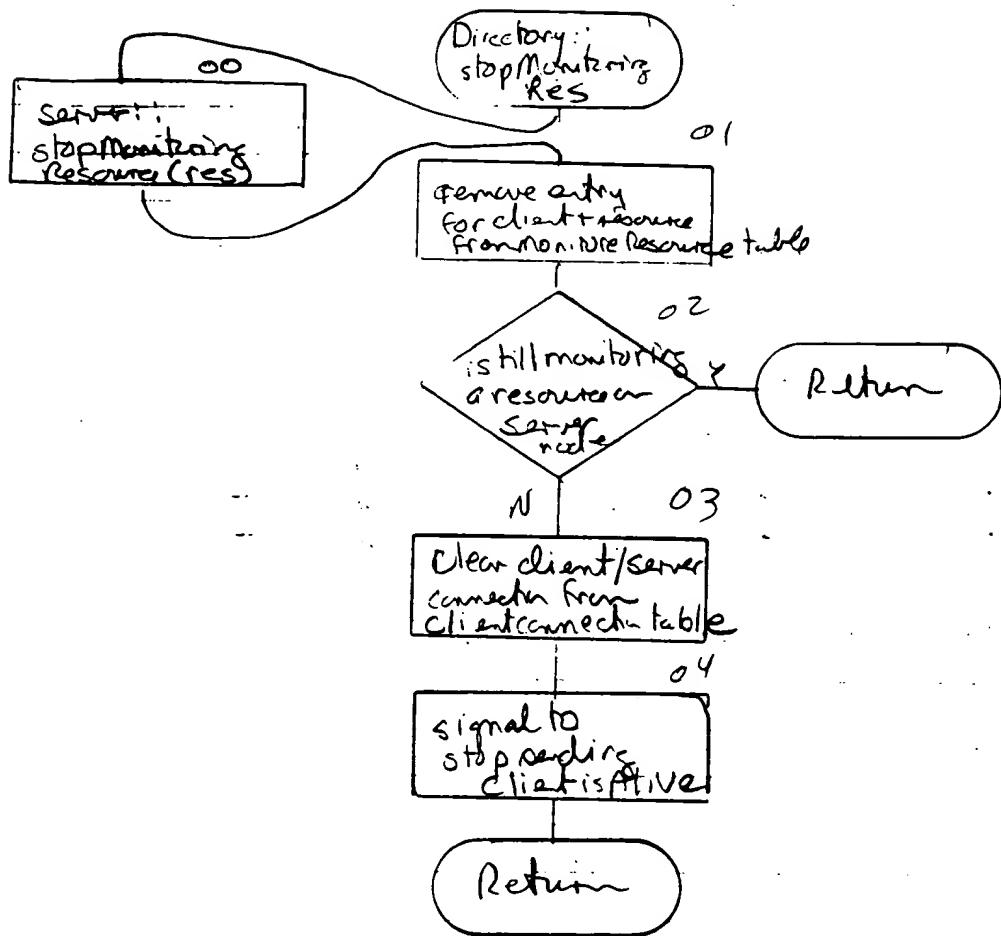


Fig 46

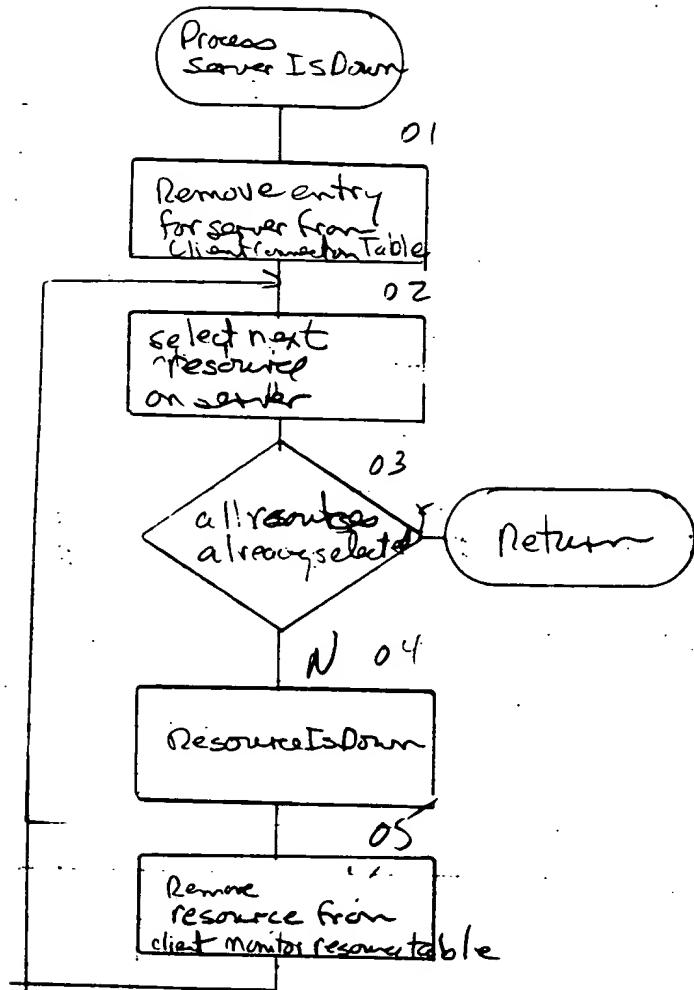


Fig 46A

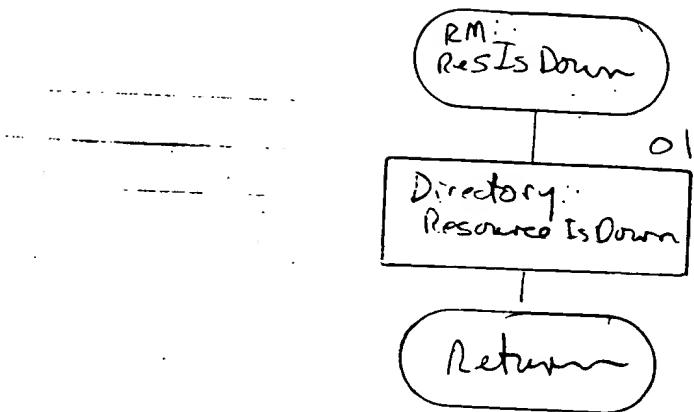
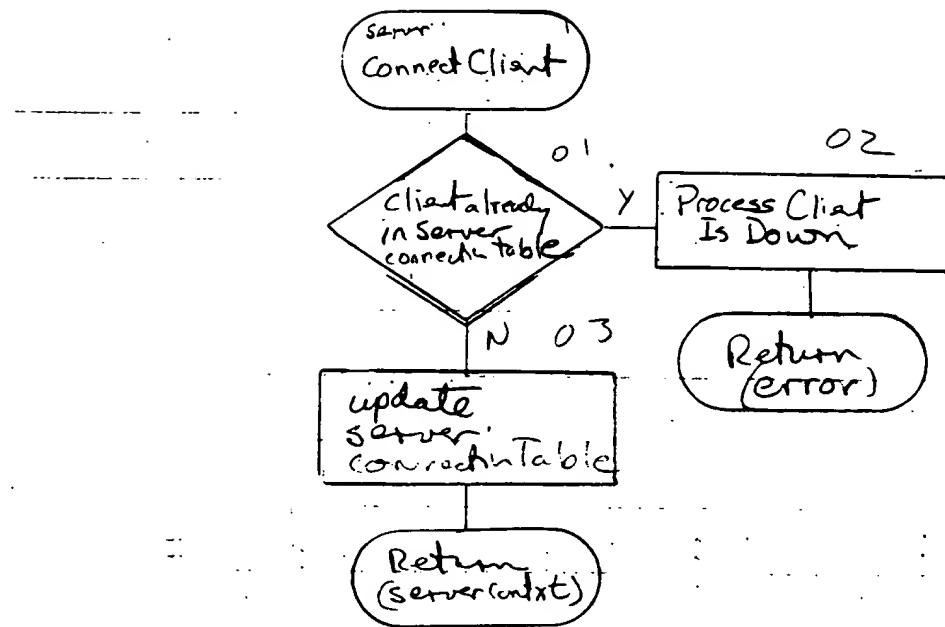


Fig 47



48

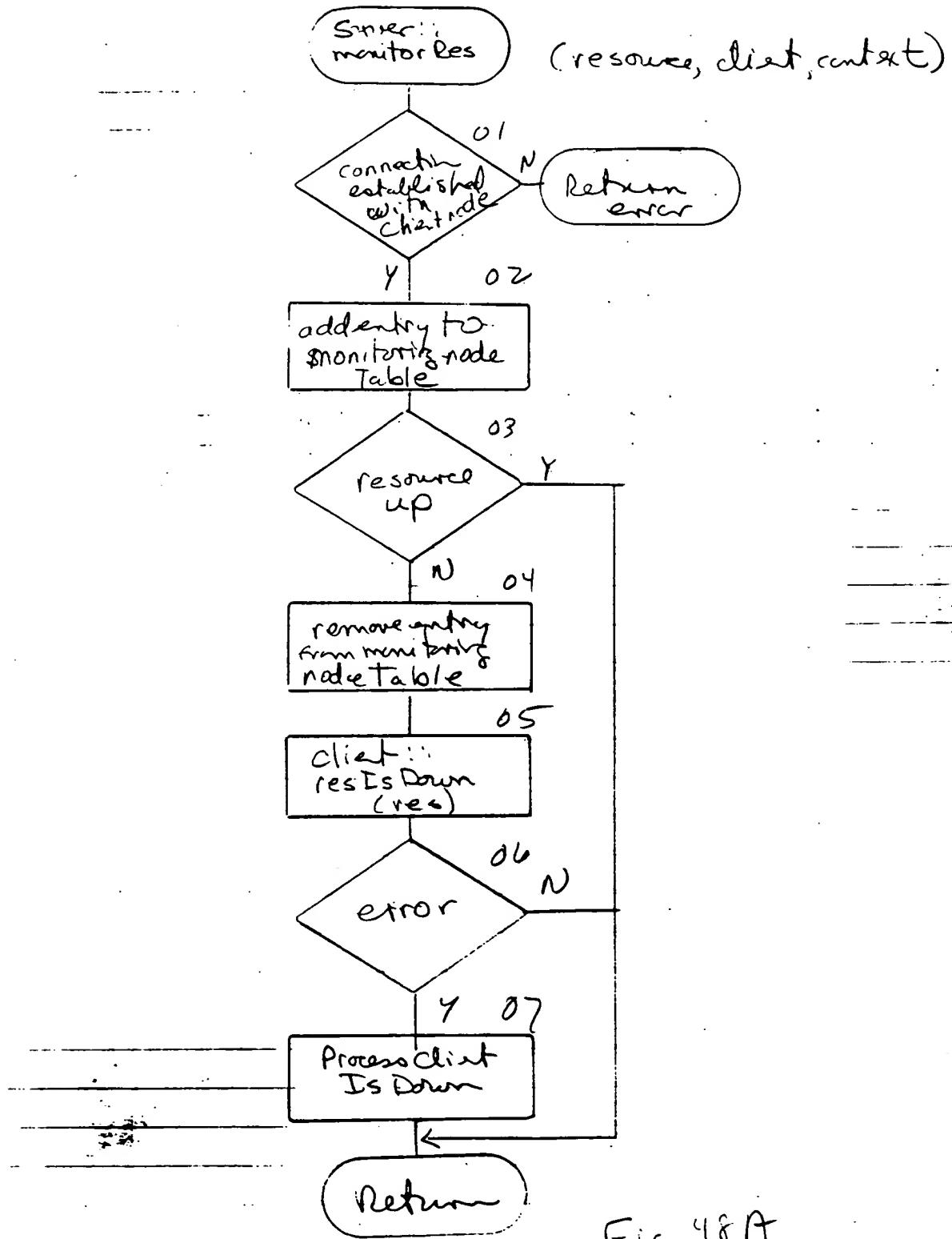


Fig 48A

0032952 00293

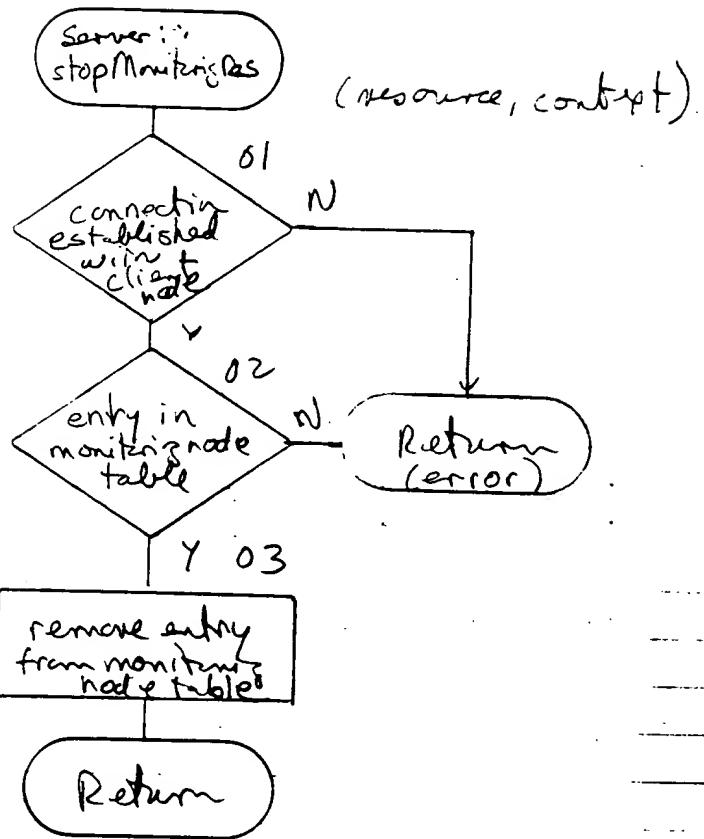
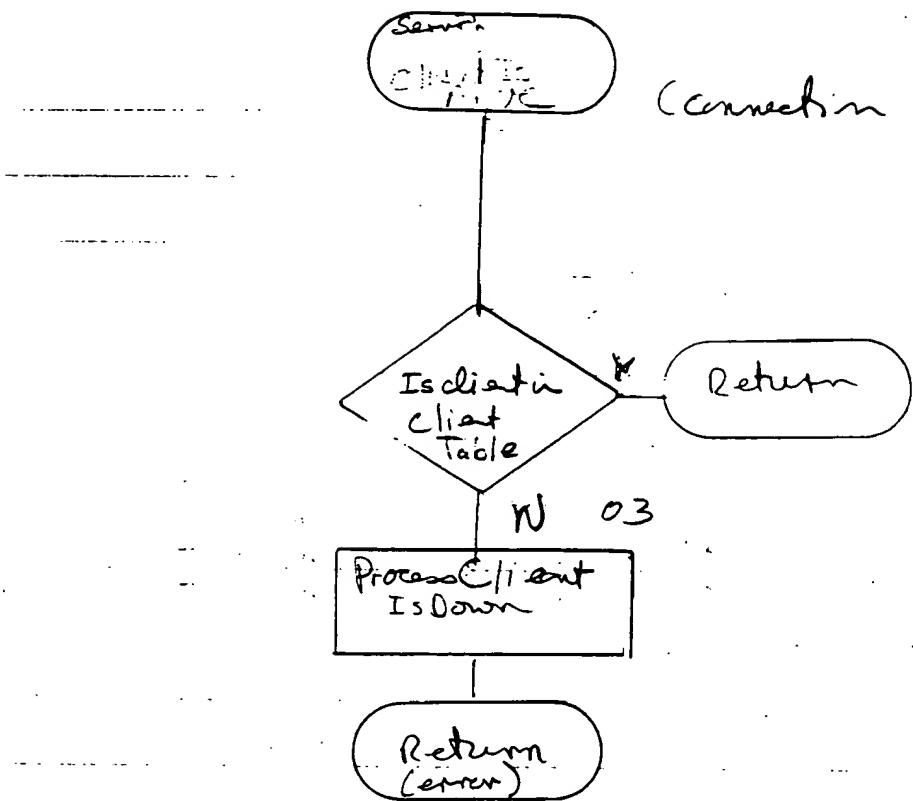
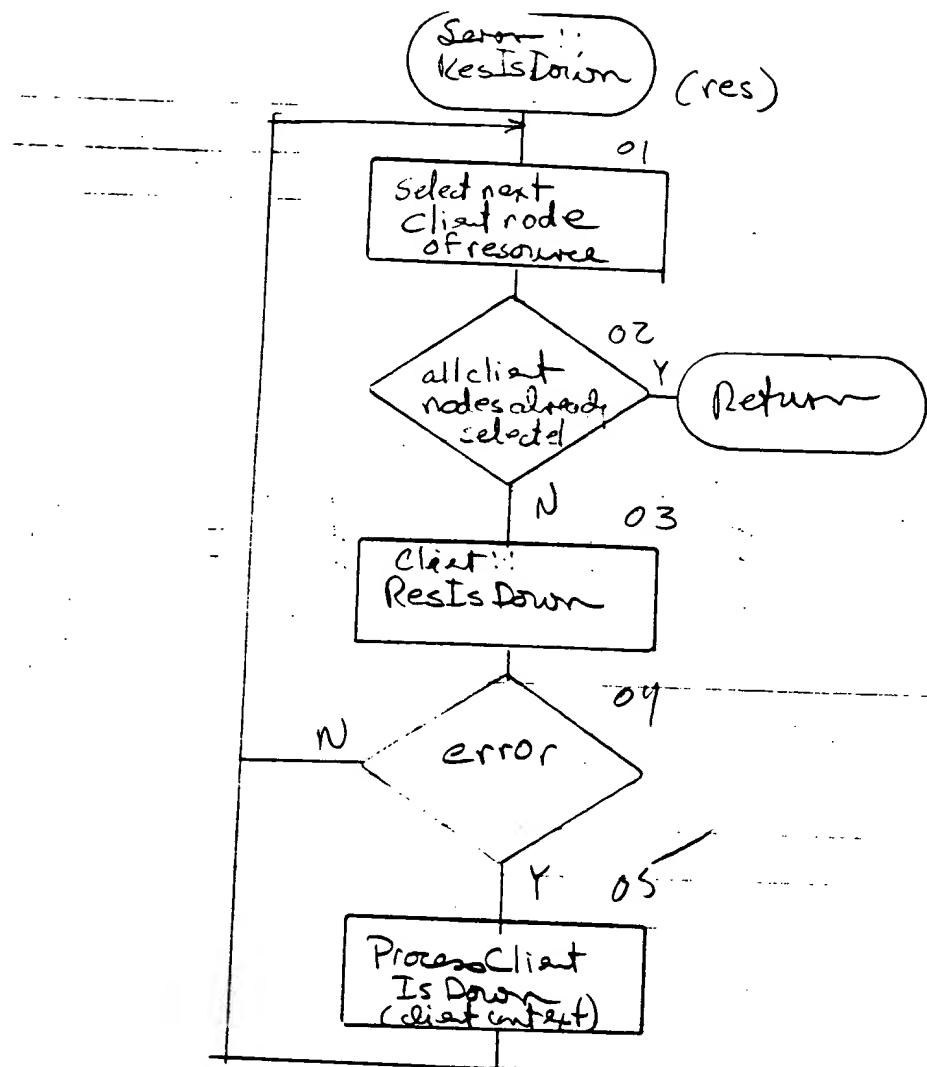


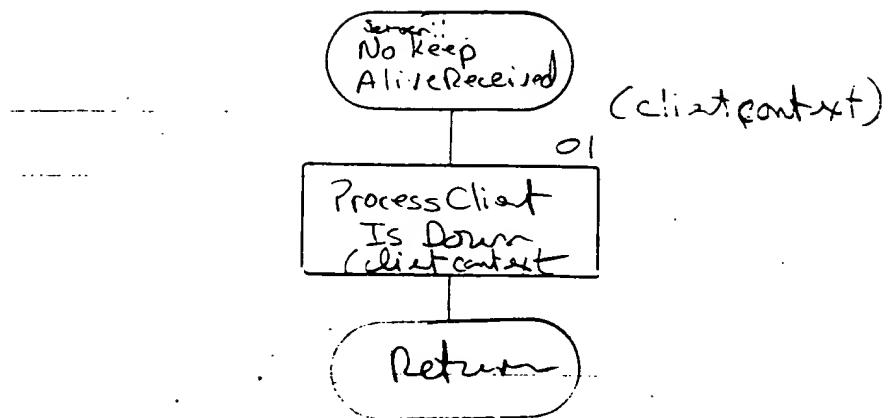
Figure 48B



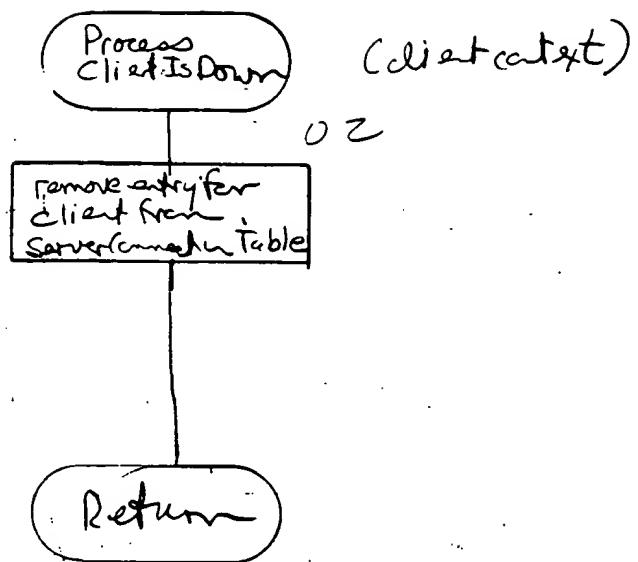
49

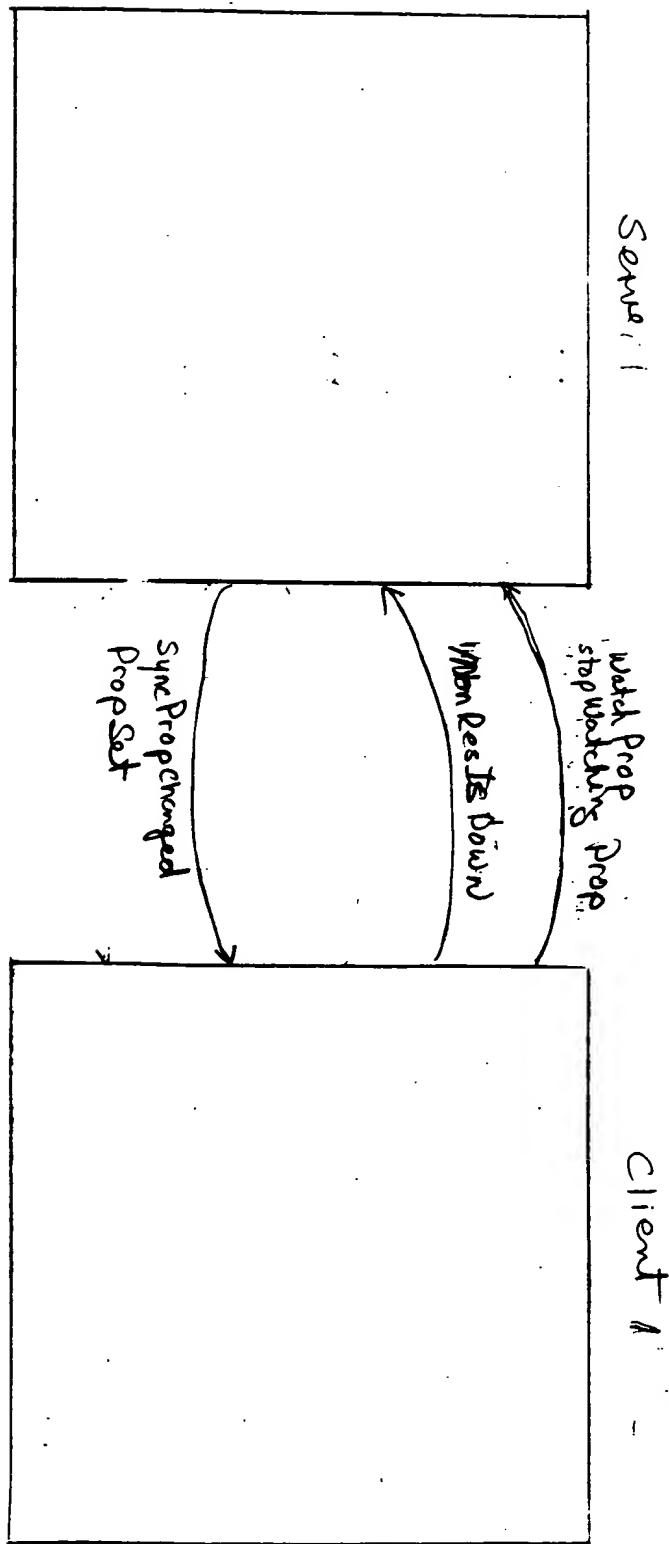


50

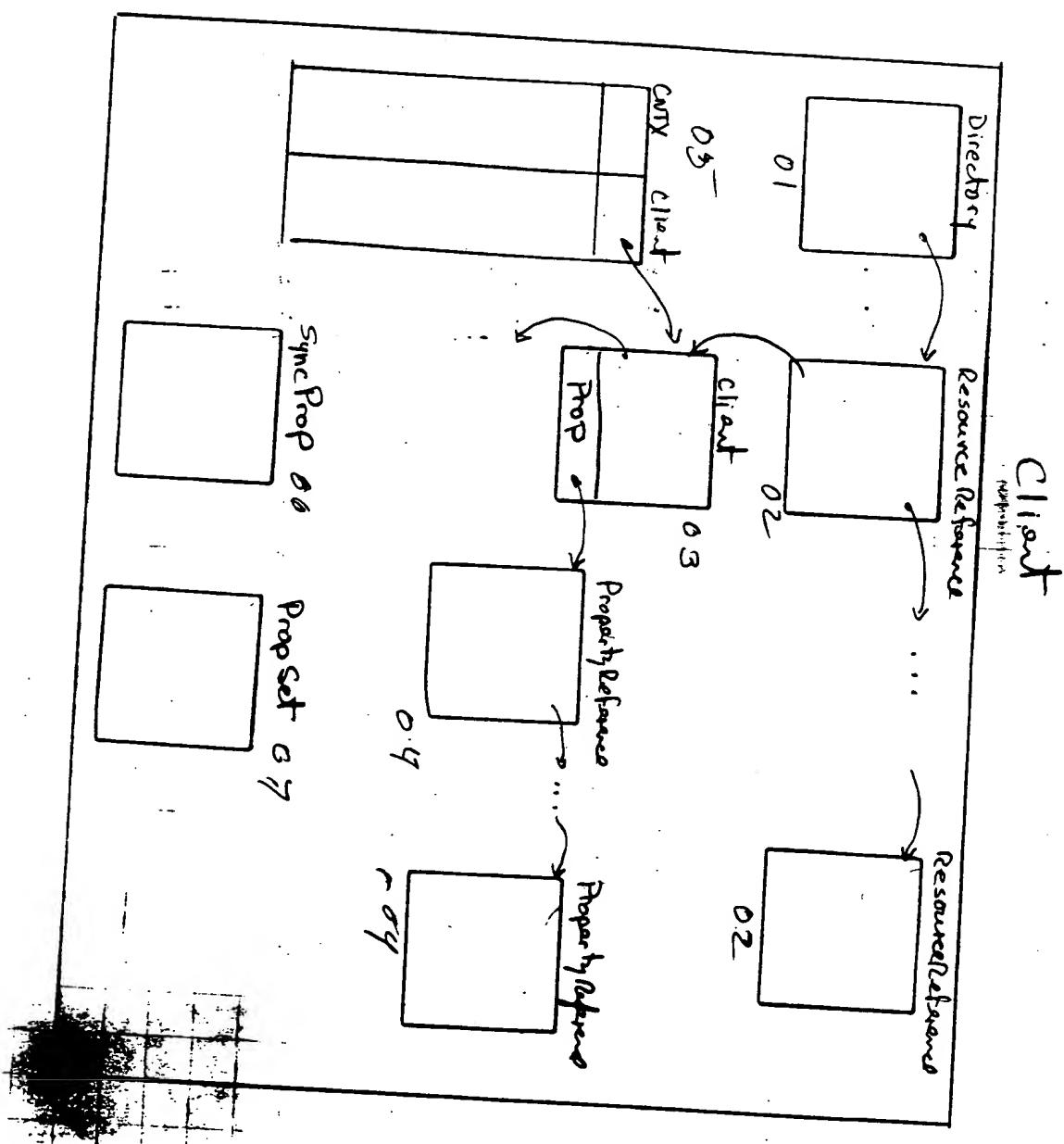


51

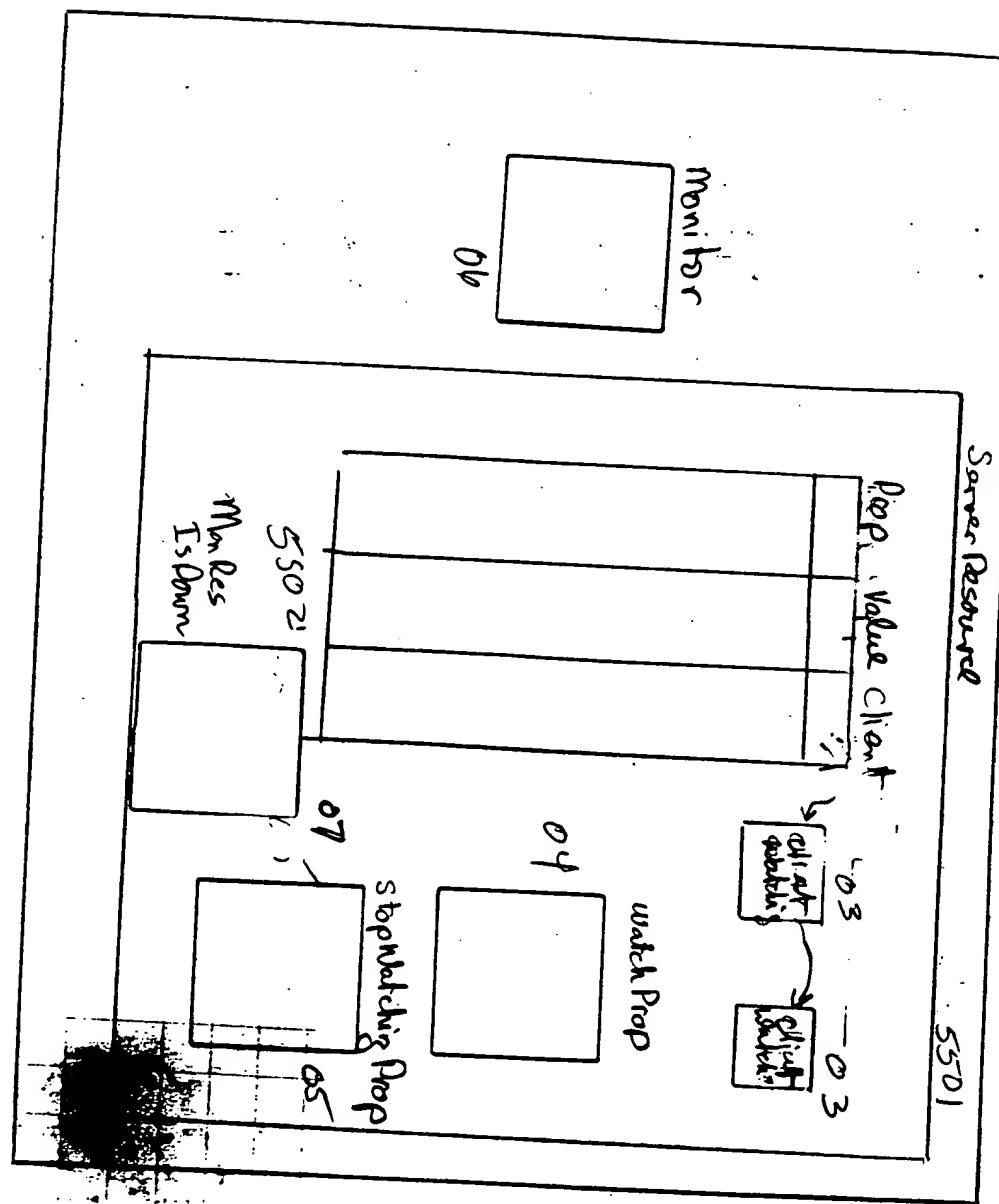




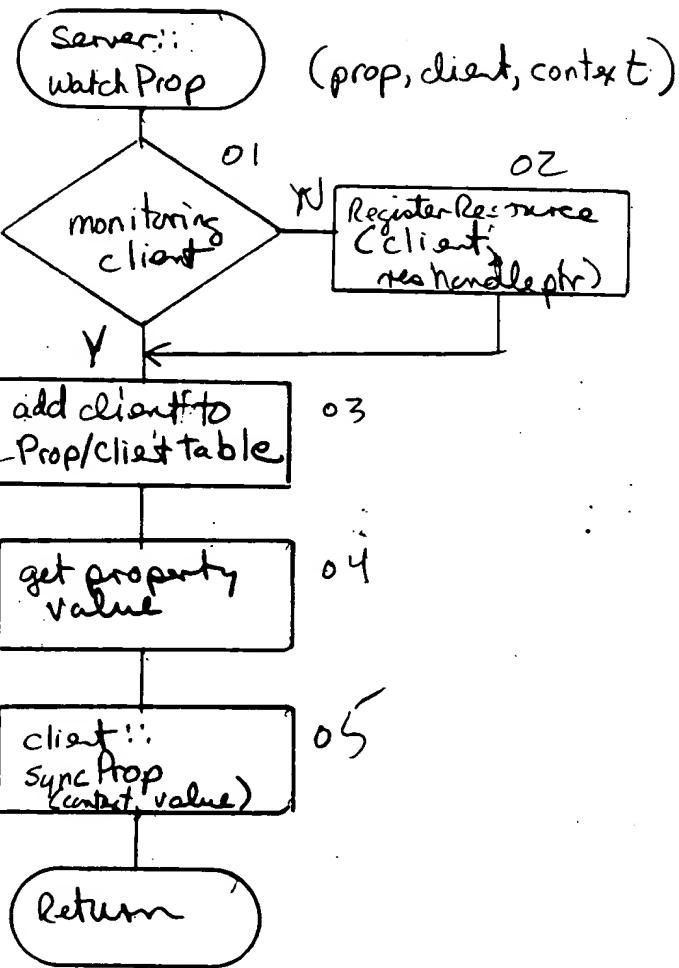
53



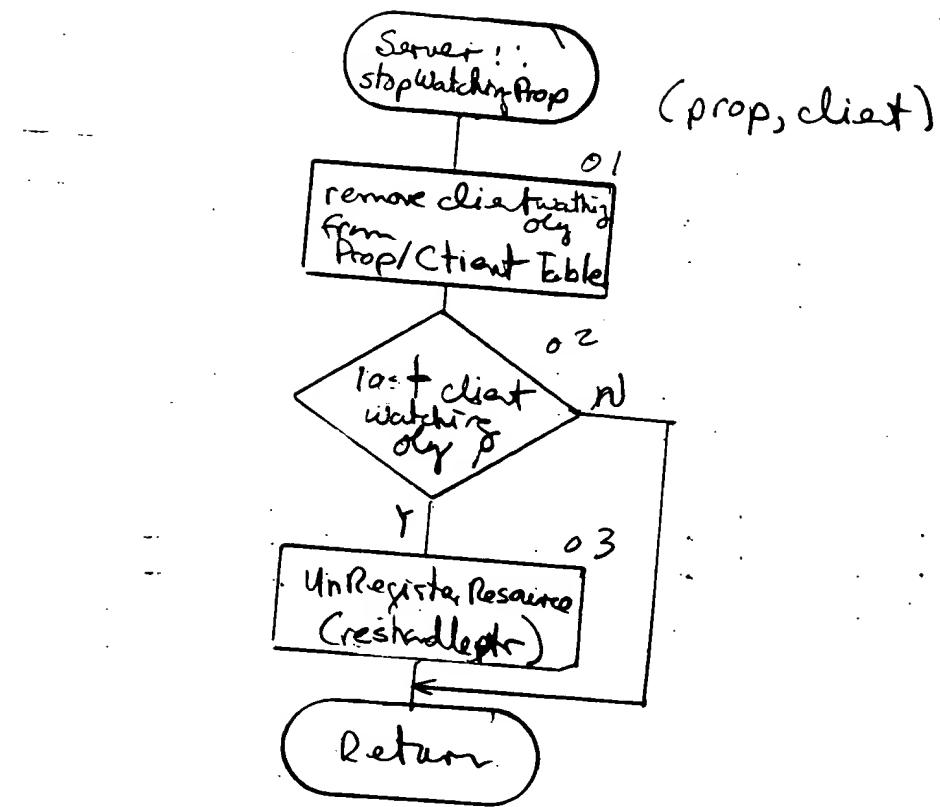
Server Node



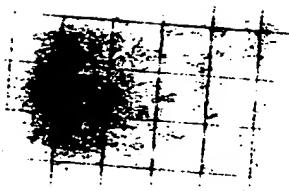
55

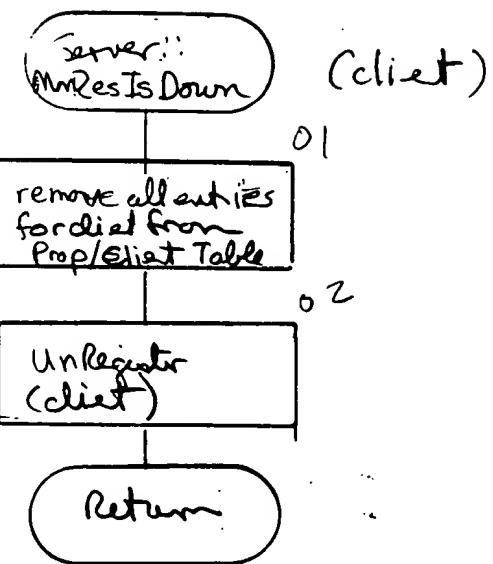


56

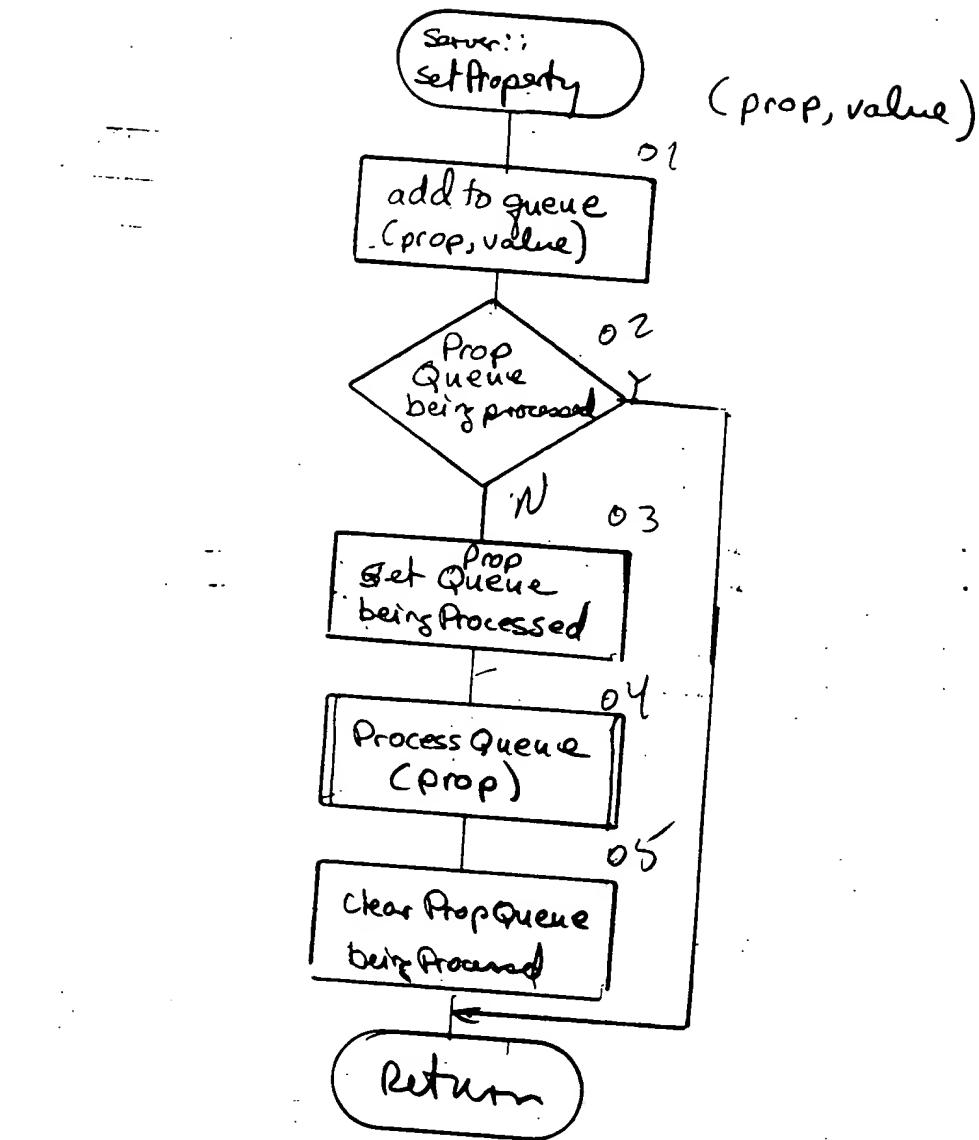


57

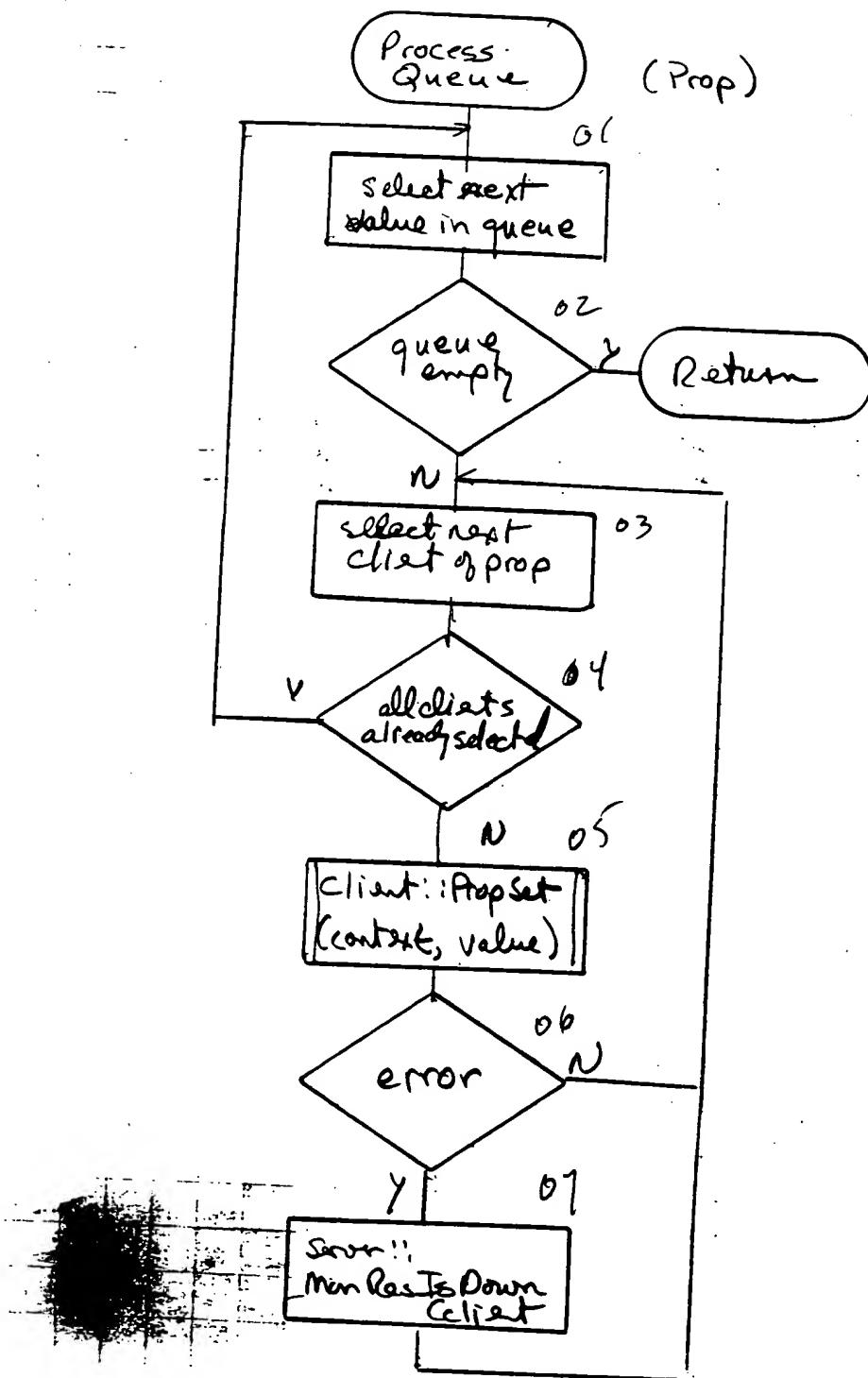




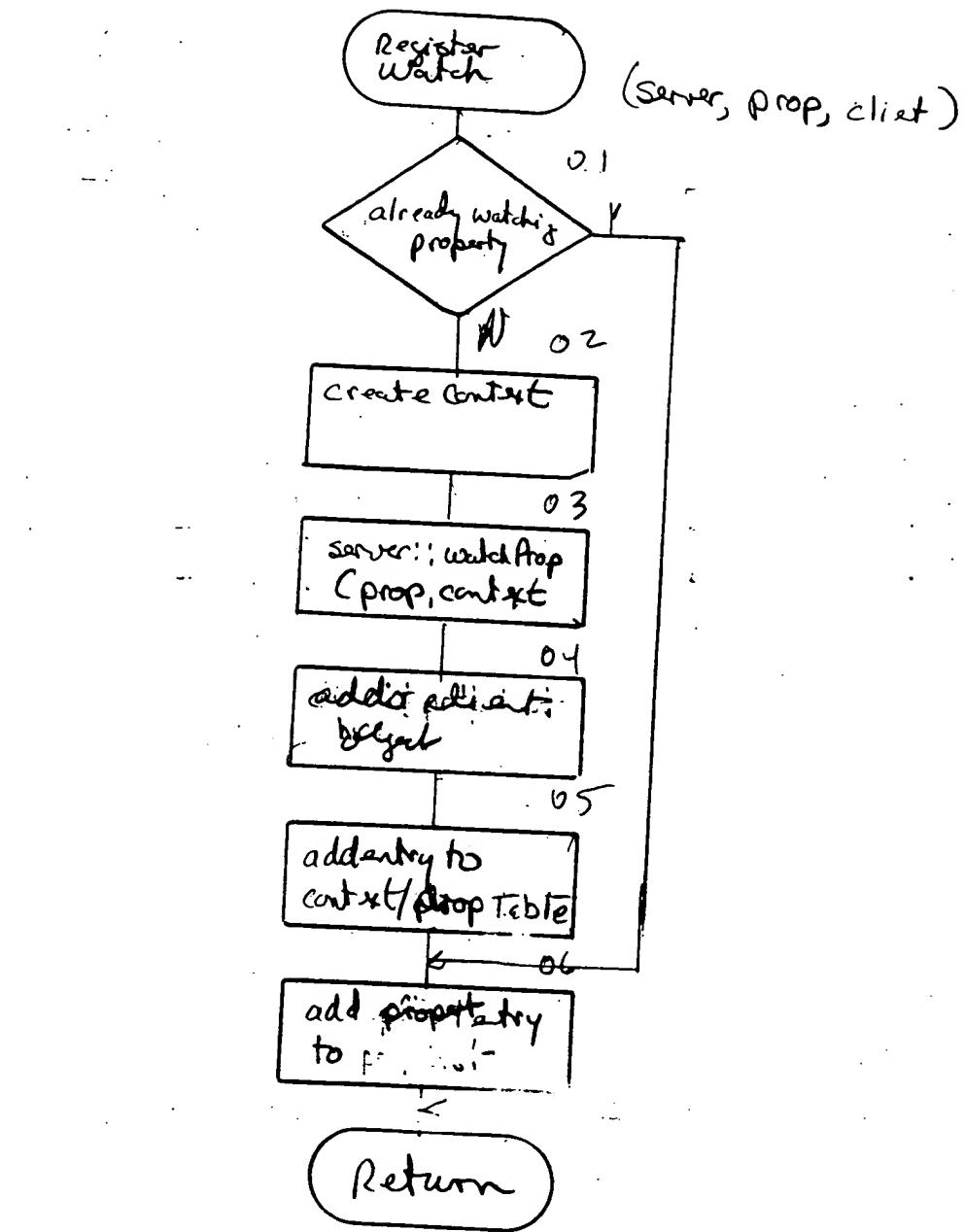
58



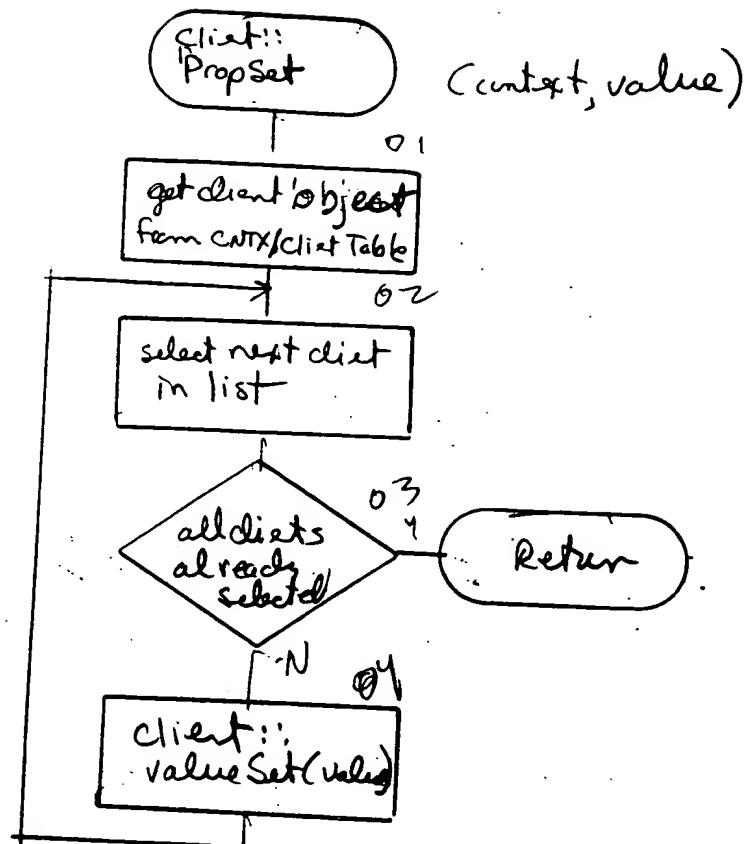
59



60



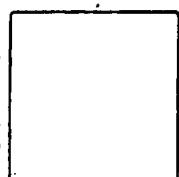
61



62

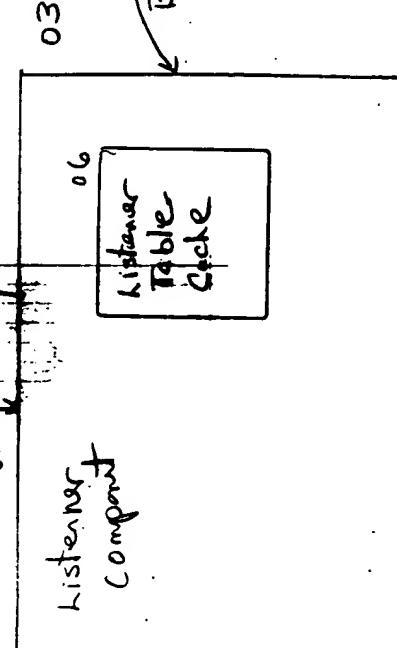
Client Node

Client



01

Listen(type)
stopListening(type)



Listener
Component

06

Event
Notify
(eventInfo)

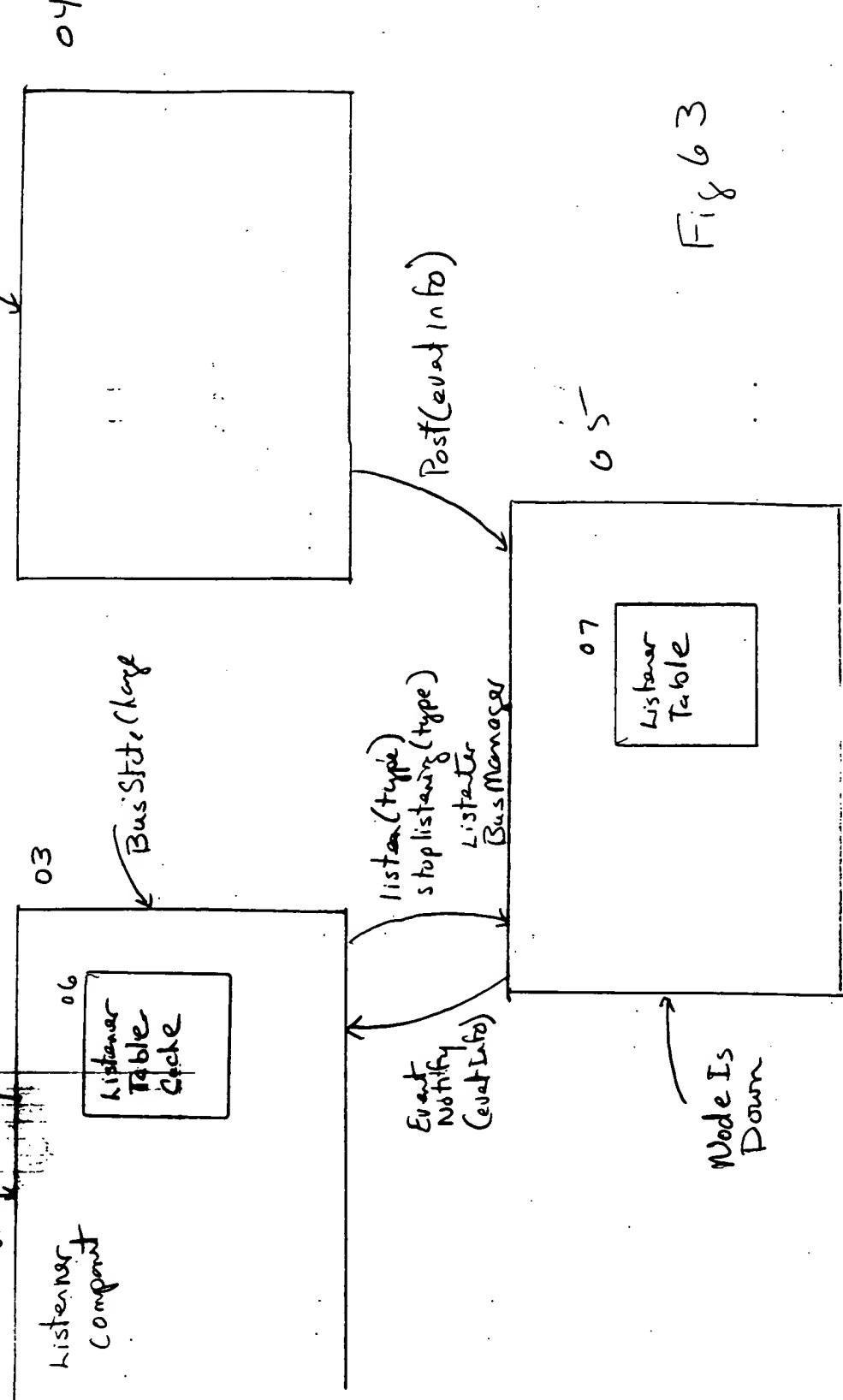


Fig 63